Prince Edward Island Department of Transportation and Public Works
Highway Safety Division
MAIN ENTRANCE

TRANSPORTATION & PUBLIC WORKS

Annual Report
2003-2004

Prince
Edward
Island
CANADA

105-06355/

Prince Edward Island
CANADA

Department of Transportation and Public Works

Annual Report

for the year ending March 31, 2004

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Prince Edward Island
CANADA

The Honourable Leonce Bernard
Lieutenant Governor of Prince Edward Island

May It Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and the Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the period April 1, 2003 to March 31, 2004.

Respectfully submitted,

Gail Shea

Gail Shea
Minister

Prince Edward Island
CANADA

The Honourable Gail Shea
Minister
Department of Transportation and Public Works
Province of Prince Edward Island

Madam:

I am pleased to submit to you the Annual Report of the Department of Transportation and Public Works for the period April 1, 2003 to March 31, 2004.

The activities of the respective Divisions are recounted in the following pages of the Report.

Respectfully Submitted,

Steve MacLean, P.Eng.
Deputy Minister

Mandate

The mandate of the Prince Edward Island Department of Transportation and Public Works is to contribute to economic development and the quality of life in this province by maintaining and enhancing, in an affordable way, the essential transportation systems and services for the efficient and safe movement of people, goods, and services.

It is also necessary to provide the infrastructure necessary for the efficient conduct of government through services to other government departments in the areas of building construction, crown land management, building maintenance, and accommodations.

Table of Contents

Departmental Mission Statement 1
Departmental Legislation 2
Departmental Organization 3
Personnel 4
French Language Services Implementation Plan 5

ENVIRONMENTAL MANAGEMENT

Activities 6

FINANCE, HUMAN RESOURCES AND OPERATIONS

Finance 12
Human Resources 12
Highway Safety Operations 12

PLANNING, BUILDINGS & PROPERTIES

Planning 28
Building Design and Construction 29
Building Maintenance & Accommodations 33
Properties 37

CAPITAL PROJECTS

Chief Engineer's Report 39
Schedule of Tenders 40
Design 48
Bridges 48
Materials & Soils 49
Traffic Operations 51
Provincial Sign Shop 53
Pavement Management System 55
Mapping & Geographic Information Systems 56
Chief Surveyor 57
Occupational Health & Safety 58

HIGHWAY MAINTENANCE

Highway Maintenance 60
Mechanical Branch 105

STATEMENT OF EXPENDITURES 109

DEPARTMENT OF TRANSPORTATION
AND
PUBLIC WORKS

MISSION STATEMENT

The role of the Department of Transportation and Public Works is four-fold:

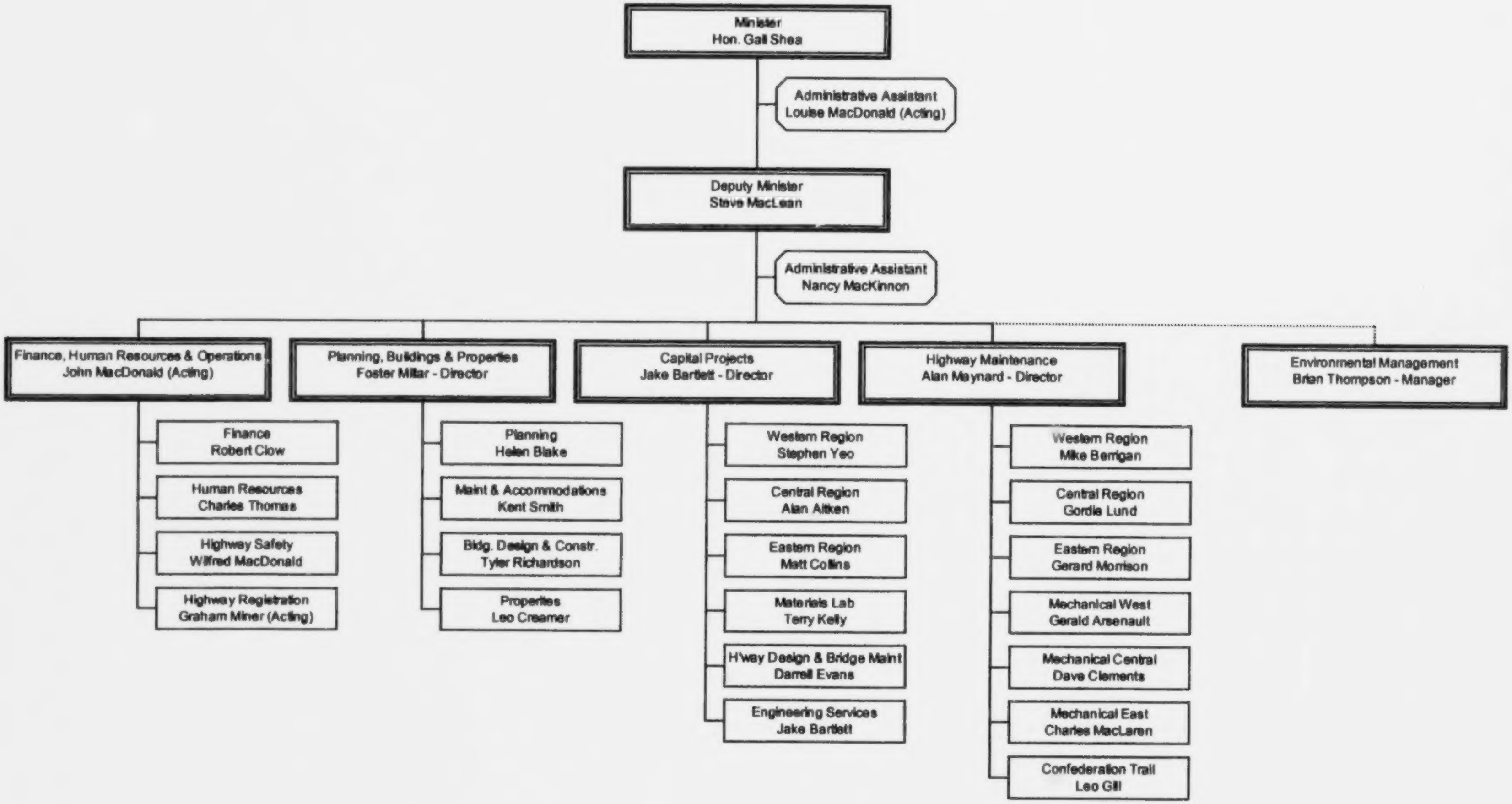
- **To provide high quality and timely policy advice to the Government of Prince Edward Island on all matters related to transportation and public works;**
- **To provide transportation infrastructure and foster development of a safe, efficient, affordable and environmentally sustainable transportation system for the movement of people and goods;**
- **To provide quality services to the rest of Government in the areas of building construction, Crown land management, building maintenance and accommodations; and**
- **To support development of the Prince Edward Island economy.**

Clients include transportation users, enforcement agencies, the construction industry, and other Government Departments.

LEGISLATIVE RESPONSIBILITIES

- **Architects Act**
- **Crown Building Corporation Act**
- **Dangerous Goods (Transportation) Act**
- **Engineering Profession Act**
- **Expropriation Act**
- **Georgetown Common Land Act**
- **Highway Traffic Act**
- **Land Survey Act**
- **Land Surveyor's Act**
- **Off-Highway Vehicle Act**
- **Public Works Act**
- **Roads Act**

Department of Transportation and PublicWorks
Province of Prince Edward Island


Minister
Hon. Gail Shea
Administrative Assistant
Louise MacDonald (Acting)
Deputy Minister
Steve MacLean
Administrative Assistant
Nancy MacKinnon
Finance, Human Resources & Operations
John MacDonald (Acting)
Finance
Robert Clow
Human Resources
Charles Thomas
Highway Safety
Wilfred MacDonald
Highway Registration
Graham Miner (Acting)
Planning, Buildings & Properties
Foster Millar - Director
Planning
Helen Blake
Maint & Accommodations
Kent Smith
Bldg. Design & Constr.
Tyler Richardson
Properties
Leo Creamer
Capital Projects
Jake Bartlett - Director
Western Region
Stephen Yeo
Central Region
Alan Aitken
Eastern Region
Matt Collins
Materials Lab
Terry Kelly
H'way Design & Bridge Maint
Darrell Evans
Engineering Services
Jake Bartlett
Highway Maintenance
Alan Maynard - Director
Western Region
Mike Berrigan
Central Region
Gordie Lund
Eastern Region
Gerard Morrison
Mechanical West
Gerald Arsenault
Mechanical Central
Dave Clements
Mechanical East
Charles MacLaren
Confederation Trail
Leo Gill
Environmental Management
Brian Thompson - Manager

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Personnel

Minister	Hon. Gail Shea
Administrative Assistant	Louise MacDonald (Acting)
Deputy Minister	Steve MacLean
Administrative Assistant	Nancy MacKinnon
ENVIRONMENTAL MANAGEMENT	Brian Thompson, Manager
PLANNING DEVELOPMENT AND BUILDING CONSTRUCTION DIVISION	Foster Millar, Director
Planning	Helen Blake
Maintenance and Accommodations	Kent Smith
Properties	Leo Creamer
FINANCE, HUMAN RESOURCES AND OPERATIONS DIVISION	John MacDonald (Acting)
Finance	Robert Clow
Human Resources	Charles Thomas
Highway Safety Operations	Wilfred MacDonald
Highway Safety Registration	Graham Miner (Acting)
CAPITAL PROJECTS DIVISION	Allan (Jake) Bartlett
Western Region Engineer	Steve Yeo
Central Region Engineer	Alan Aitken
Eastern Regional Engineer	Matt Collins
Bridge Maintenance	Darrell Evans
Materials and Soils	Terry Kelly
Highway Design & Bridge Maintenance	Darrell Evans
Engineering Services	Allan (Jake) Bartlett
HIGHWAY MAINTENANCE	Alan Maynard
Highway Maintenance, Western	Mike Berrigan
Highway Maintenance, Central	Gordie Lund
Highway Maintenance, Eastern	Gerard Morrison
Mechanical Branch, Western	Gerald Arsenault
Mechanical Branch, Central	David Clements
Mechanical Branch, Eastern	Charles MacLaren
Confederation Trail Maintenance	Leo Gill

FRENCH LANGUAGE SERVICES IMPLEMENTATION PLAN

The Department continues to respond to the requirements of the French Language Services Act through its 2000 implementation plan.

Focus continues in the following areas:

- ***Awareness***
  The Department's obligation to the French Language Services Act continues to be incorporated into the daily routine of staff, especially for those responsible for the distribution and release of information to the public, i.e., correspondence, media releases, public notices, etc.

- ***Human Resources***
  Human Resources are currently approaching the organizational structure to identify positions for potential bilingual designation. These results will be considered in the areas of succession planning and current incumbent training. Interviews have taken place for employees interested in assessing their levels of proficiency in the French language, and others who are new to the language have participated in one-day workshops.

- ***Signs***
  The same effort that resulted in the Traffic Section of the Capital Projects Division receiving an award in 2001 continues to occur. As existing signage stock is depleted, the format is changed to bilingual. Bilingual directional tabs are now being used on Route confirmations and the private road signs for 911 are totally bilingual. Any worded sign manufactured out of the Provincial Sign Shop is produced in a bilingual format.

- ***Document Translation***
  The Highway Safety Division is one of the larger groups responsible for the distribution and circulation of documentation for public consumption. This group continues to work closely with Acadian and Francophone Affairs to identify essential documentation for translation purposes.

Wendy Morrison
French Language Services Coordinator

ENVIRONMENTAL MANAGEMENT SECTION

This Section is responsible to ensure environmental management and regulatory compliance during construction and maintenance works performed by the Department, or by others, within the Provincial right-of-way. It also implements an environmental management system that includes the following key elements: departmental project approval process; environmental protection planning; project inspections and compliance monitoring; environmental education and training; environmental design and planning; policy and program development; environmental assessments and studies; public consultation and public partnering projects. Highlights of activities are provided below.

PROJECT REGISTRATION AND APPROVAL PROCESS

General

The approval process remains the cornerstone for environmental control on a project-by-project basis. This process requires each maintenance or construction project, or any work activity by others within the Provincial ROW, be registered with the Environmental Management Section through submission of a project application form and/or a site meeting. Subsequently, the proposed projects are inspected and assessed for potential environmental effects, and an approval-to-proceed is issued complete with project specific conditions-of-approval.

Blanket Approvals

Across the Province, the Department conducts several activities that are repetitive in nature with low potential for causing adverse environmental effects. To simplify the approval process for these types of activities, the activities have been grouped by activity type and each activity type has been assigned a blanket approval with standardized conditions of approval. Generally, a blanket approval provides authorization for multiple projects of the same activity type to be completed under a single, county-based approval.

Blanket approvals were introduced in 1999 and, since then, have been recognized as being both a convenient and effective method to provide environmental control over certain Department activities. Owing to their success and convenience, the number of blanket approval types has increased from 9 in 1999/2000 to 19 in 2003/2004. This increase forms part of the Section's continued efforts to streamline the project registration and approval process while maintaining established standards of environmental protection.

Field Approvals

In a further effort to streamline the Department's approval process, an additional approval type, the field approval, was introduced in 2003 and used successfully during the inaugural work season. The field approval enables a project proponent to receive an approval-to-proceed from the Environment Officer at the initial site meeting, with no additional paperwork or submission requirements. The one-page field approval includes a list of environmental protection conditions from which those pertinent to the subject project are identified. As well, the approval includes a project description section and a section where the Environment Officer can add in supplemental project specific conditions. Most projects that receive a field approval have a greater potential for causing environmental impacts than those authorized under a blanket approval, yet are considered to have less potential for causing impacts than those projects that would receive a standard approval.

Project Approvals

The Section issues five types of project approvals:

- Approval - no Watercourse Alteration Permit;
- Approval with accompanying Watercourse Alteration Permit;
- Approval with accompanying Watercourse Alteration Permit issued by Provincial Fisheries, Aquaculture and Environment:

- Field approval; and,
- Blanket approval.

The Section processed 398 environmental assessments or project approvals during the year, including 147 field approvals. The addition of the field approvals has proven very successful from both an operational and environmental perspective.

Typically, each approval involves a preconstruction project site inspection, allocation of job-specific conditions-of-approval, issuance of the approval-to-proceed, and follow-up environmental compliance inspections on each project.

A summary of the 398 approvals issued is provided in the table below. They are categorized by county and approval type.

Environmental Management Section Project Approvals

County	Blanket Approval	EMS Approval (only)	EMS Field Approval	EMS Approval & EMS Permit	EMS Approval & FAE Permit	Total
Prince	30	11	51	10	6	108
Queens	29	42	38	32	7	148
Kings	28	10	58	33	13	142
Province	87	63	147	75	26	398

Blanket Approvals
During the year, 87 blanket approvals were issued through which a total of 982 individual projects were completed. A summary of projects completed in each county for the various blanket approval types is provided in the table below.

Blanket Approval Summary

Blanket Approval Type	Number of Blanket Approval Projects Completed			Province Wide Total
	Kings County	Queens County	Prince County	
Millings Placement	42	19	22	83
Road Bump Installations	0	3	3	6
Shore Access	5	7	6	18
Maintenance of Environmental Controls	27	38	30	95
Guardrail Reinstatement (with shoulder work)	15	2	3	20
Confederation Trail Surface and Slope Repairs	1	0	4	5

Confederation Trail Vegetation Management	0	0	3	3
Gradall Ditching	55	31	101	187
Brush Cutting	108	8	93	209
Timber Pile Bridge Minor Repair	0	0	1	1
Resurfacing Unpaved Roads within 30 m of Watercourse/Wetland	40	23	18	81
Surface Water Cross Culvert Replacement	34	32	66	132
Repair, Increase or Replace Stabilization Materials at Watercourse/Wetland	8	10	11	29
Maintenance of Provincial Tap Drains	6	9	16	31
Shoulder grading/planing & Material Placement	31	9	13	53
Repair/Replace Timber floors	5	1	3	9
Painting Bridge Structures	0	3	2	5
Asphalt Overlay	2	12	0	14
Debris Removal from Structures	0	0	1	1
Totals	**379**	**207**	**396**	**982**

Environmental Audit Results
An environmental audit was conducted at the end of construction season. A representative set of 60 projects from across the Province were audited. The audit results concluded that ninety-one percent of construction projects met or exceeded their associated environmental requirements. Eighty three percent met all requirements, eight percent exceeded requirements, seven percent met most requirements, and two percent did not meet requirements. This rating is slightly better than the environmental performance for previous years, and indicates strong environmental performance by the Department.

Training
The Section coordinated and delivered a number of environmental training workshops and presentations for Department staff. There were two main training programs in the Spring, and workshops and presentations were provided to supervisory staff in the Highway Maintenance Division, Bridge Maintenance Section, Confederation Trail Maintenance Section, Highway Construction Capital Projects Division and for the first time, private contractors who do work for TPW. The contractor training was very well received with 34 employees representing 14 companies attending the Prince County workshop; 23 employees representing 11 companies attending the Queens County workshop; and 14 employees representing seven companies attending the Kings County workshop.

Fuel spill response training workshops were provided to staff who may be involved with fuel spills. Sixty-two employees attended these workshops.

Miscellaneous Initiatives and Services
The Section was involved with completing or coordinating a variety of additional environmental initiatives . Some of the more notable are described below.

Policy and Program Development
The Section develops and/or administers various Departmental policies and programs to assist in providing structured implementation of Departmental objectives and activities. The policies ensure that a consistent and clear approach to specified activities is understood and followed by the Department, as well as external agencies

or persons such as engineering consultants, contractors or municipalities performing these same activities within the Provincial ROW. The programs are stand-alone initiatives, developed and implemented by the Department, that address an environmental issue associated to Departmental infrastructure or property but benefit the public or the environment as a whole.

Programs

- Adopt-A-Highway Program
- Environment Fund Program
- Fish Passage Restoration Program
- Environmental Audit Program
- Heritage Roads Restoration Program
- Maritime Electric Tree Trimming Program
- Seeding Policy

Policies

- Highway-related Beaver Management
- Fuel Spill Response Procedures
- Culvert Sizing Policy
- Water Well Replacement Policy
- Approval-to-Proceed Renewal / Modification / Extension Policy

Heritage Roads Restoration Program

In 2001, the Section coordinated the development of a management strategy for Designated Scenic Heritage Roads. The Section received assistance from the Highway Maintenance Division, other Provincial agencies and the general public in their preparation of the strategy. The strategy recognizes that the historical and aesthetic value of heritage roads are best protected through limited disturbance and change, especially since these roads pose such difficult environmental challenges primarily with respect to sedimentation. This strategy provides a practical guide for implementation of cost-effective protection methods to maintain the heritage of these unique roads and their surrounding sensitive environments including watercourses. Under the Management Strategy, two heritage roads were successfully restored during the 2003 construction season - the Warburton Road and Junction Road.

Agriculture-related Work

In effort to control the potential effects of agriculture-based projects on the Provincial ROW, the Section established a protocol with the Provincial Agriculture Department that requires their identification of proposed projects through submission of Project Registration Applications. The Section then coordinates onsite project assessments with Agriculture representatives to identify and resolve any related issues including methods to avoid ROW impacts, cost responsibility for any associated work, restoration requirements for effected ROW areas, etc. During the season, 15 agriculture-based projects were registered, assessed and completed.

Adopt-A-Highway Program

Prince Edward Island has joined many other State and Provincial jurisdictions across North America by implementing an Adopt-A-Highway Program. Building on the success and longevity of the Federated Women's Institute Annual Roadside Cleanup, the Program enables Islanders to expand their efforts to roadside litter. The Section, with the assistance of the Department of Fisheries, Aquaculture and Environment, developed the Adopt-a-Highway Program. Businesses, commmunity groups and organizations can adopt a minimum five kilometre section of Island roadway and agree to conduct a Fall and Spring cleanup each year. The Program was launched in August 2003 attracting seven groups to sign up and take part in the initial Fall cleanup. The seven groups cleaned up a total 38 kilometres of Island roadways, collecting an average 30 bags of litter on each of their sections. It is expected that many more groups will be adopting a section of roadway and doing their part to keep the Island clean.

Environment Fund Program

An Environmental Fund Program was developed in partnership with the Highway Maintenance Division a number of years ago. This fund is a portion of the HMD annual budget that allows for the completion of up to $100,000.00 annually of environmental-related maintenance work. The Section, with the assistance of watershed and environmental interest groups across the Province, identify potential projects and coordinate the work. This very successful program demonstrates the Department's commitment to maintaining and improving the environment. During the season, the Environment Fund contributed to fourteen fish passage restoration projects, nine erosion and sediment control projects, two Scenic Heritage Road restoration projects, and seven miscellaneous environmental-type projects.

Fish Passage Restoration Program

The Section and the Highway Maintenance Division have been working diligently over the last number of years with the Fish and Wildlife Division of the Department of Fisheries, Aquaculture and Environment and watershed groups from across the Province to identify and repair fish passage barriers at highway culvert locations. The Department had a very successful year in upgrading fish passage conditions at 23 road culvert locations.

Environmentally-based Community/Public Partnering Projects

Each year, the Department receives many requests for assistance from watershed groups, environmental groups, community councils and others with projects that will enhance the environment or provide environmentally beneficial results for the general public. The Section coordinates the Department's involvement in a variety of these environmentally-related community/public partnering initiatives. These requests for assistance typically involve work that can be grouped into four categories: sediment control; fish passage restoration; erosion control; and, community access. The community access initatives include enhancement projects such as shore access repairs, boat slip construction, or assisting with providing access to recreational fishing areas. Department work may involve in-kind provision of materials or services by the Section and the Highway Maintenance Division. During the year, the Section received 114 requests for assistance and completed a total of 73 requests.

Beaver Management

The Section coordinated the development of a Beaver Management Policy to address the problem of highway culverts frequently being obstructed by beaver activity. During the summer, two Beaver Management Workers are hired to proactively identify and address road-related beaver problems across the Province using the preferred management method of "by hand" restoration. The cost of hiring the two workers is small compared to the potential cost of responding to emergency events such as floods and washed out roadway culverts caused by beaver activity, as well as potential damage to surrounding property and aquatic ecosystem. During the season they addressed 123 road-related beaver problems.

Water Well Replacements

With the Department's necessary application of road salt for ice control, there is potential for the road salt to migrate into the groundwater supply and ultimately effect well water quality. *Guidelines for Canadian Drinking Water Quality* recognize chloride concentrations less than 250 mg/L to be acceptable for drinking water.

The Section handles the Department's involvement in instances where property owners, or Provincial Environment on behalf of a property owner, report drinking water containing elevated levels of chlorides resulting from road salt. The Section consults with the Groundwater Section of Provincial Environment and the property owner, conduct onsite inspections and obtain additional water samples as required to determine probable cause. In the event that road salt is determined to be the cause of elevated chloride levels, the Section works cooperatively with the property owner towards resolution through appropriate means including well restoration or replacement. The Section developed a Well Water Replacement Agreement in 2003 that documents immediate and long-term contractual responsibilities for both the Department and the property owner. The Section coordinated the replacement of six drinking water wells during the season.

Committee Participation

The Section represents the Department on a number of inter-governmental and external committees. The following is a list of committees that the Section participated:

- Inter-departmental Coordinating Committee on Culture
- Panmure Island Causeway Task Group
- Stanley/Hope River Watershed Stewardship Committee
- Agricultural Runoff Committee
- Mill River Watershed Roundtable
- Land Use Coordinating Committee

- Transportation Association of Canada (TAC) Environment Council
- Transportation Association of Canada (TAC) Road Salt Working Group
- Provincial Environmental Assessment Review Committee
- Concrete Roads Committee

Regulatory Approvals and Environmental Assessments

On behalf of the Department, the Section acquires project approvals from external federal and Provincial Regulators, and is responsible for completing federal environmental assessments/screenings for larger Capital Projects. This includes securing Navigable Waters Protection Act Approvals and Environmental Screening Approvals under the Canadian Environmental Assessment Act.

Navigable Water Protection Act Approvals are acquired primarily for the Department's bridge replacement or repair projects. Approvals were received for two bridge replacement projects that were ongoing or proposed, including Goffs Bridge, North Pinnette Bridge, and the Mount Stewart Confederation Trail Structure. The Act and its approval process is administered by the Coast Guard Division of Fisheries and Oceans Canada, and the approval process is intended to ensure that the public's right of navigation is protected from works which might interfere with navigation. The approval process often includes public advertisement of the project, submission and approval of a project-specific environmental assessment, and stakeholder consultations.

Projects that involve federal funding, or have a federal department designated as the Lead Regulating Agency, often require that a Canadian Environmental Assessment Act screening be completed and submitted for federal approval. During the season, the Section coordinated the completion of an environmental screening for a two projects - the Pinette Bridge Replacement Project and the Goffs Bridge Replacement Project.

FINANCE, HUMAN RESOURCES AND OPERATIONS

The Finance, Human Resources and Operations Division is responsible for the financial, personnel and information technology services of the Department as well as Highway Safety Operations. The responsibility of this Division is to provide staff with accessible, accurate and timely on-line information on all matters relating to Administration, Finance, Human Resources and Information Systems and to facilitate payments for goods and services. The responsibility of Highway Safety Operations is to promote safe conditions for highway users, issue drivers' licenses and registrations for vehicles and administer the Highway Traffic Act, Off Highway Vehicle Act, Roads Act and the Transportation of Dangerous Goods Act.

FINANCE SECTION

The Finance Section is responsible for the financial services of the Department. This includes the preparation of the annual budget, budget control, departmental accounting, purchasing, inventory control and other related administrative support functions.

A detailed summary of Ordinary and Capital Expenditures for the year ending March 31, 2004 follows at the end of this Annual Report.

HUMAN RESOURCES SECTION

The Human Resources Section is responsible for the planning and administration of the Department's Human Resources and Information Technology initiatives: The work of the Section includes the following:

- Personnel and Payroll Services
- Departmental Training Administration
- Organizational Development
- Permanent and Seasonal Staffing
- Position Classification
- Collective Bargaining and Contract Interpretation
- Management Consultation
- Management of the Department's Information Technology services.

HIGHWAY SAFETY DIVISION

The overall objective is to promote and enforce safe conditions for highway users, issue driver's licenses, provide registration for vehicles and drivers, and to support the Minister of Transportation and Public Works in the administration of the *Highway Traffic Act*, *Off-Highway Vehicle Act*, *Roads Act*, and the Transportation of Dangerous Goods Act. The following Sections are tasked with the responsibilities of carrying out the objectives of Highway Safety:

- Driver Records
- Systems Development and Support
- IRP (International Registration Plan)
- Registration and Licensing (Legislation and Policy Development)
- Safety
- Commercial Vehicle Enforcement

Driver Records Section

The Records Section maintains records on all drivers and carriers with convictions for motor vehicle related offences throughout Canada, and who are scheduled for counselling activity such as an interview or a re-examination. The Records Management System (RMS) is one of the key programs used by this Section and is designed to efficiently and effectively maintain driving records to meet the needs for managing drivers and carriers. During the year, there were approximately 11,000 motor vehicle related convictions.

This Section maintains a close working relationship with all law enforcement agencies throughout the Province along with various other government departments and, in particular, the Office of the Attorney General. The Driver Records Section deals mainly with the *Highway Traffic Act, Roads Act, Dangerous Goods Act* and the *Maintenance Enforcement Act*. Driver Abstracts (drivers' records) are provided through the Records Section. This service is available to insurance companies, law enforcement, the legal community or an individual.

The Records Section is responsible for the evaluation, preparation and processing of all *Highway Traffic Act* and driver related *Criminal Code of Canada* convictions. A summary of the major activities is shown below with the 2002-2003 figures displayed for comparison purposes.

Driver License Suspensions and Cancellations	**2002-2003**	**2003-2004**
Section 253(a) Criminal Code - (Impaired Driving)	60	50
Section 253(b) Criminal Code - (Failing the Breathalyzer)	275	245
Section 254(5) Criminal Code - (Refusal of the Breathalyzer)	39	39
Total Alcohol Related Convictions	**374**	**334**
Administrative Driving Prohibitions - (Revoked from July 1999 to March 2000 due to update of Regulations.)	329	308
Vehicle Impoundments	2	20
Demerit Point System (Point Accumulation)	378	332
Theft of a Motor Vehicle	42	31
Default in Payment of Fine(s) - (Motor vehicle related offences)	981	1212
Failure to Satisfy a Judgment - (Accident with an uninsured vehicle)	4	3
Reinstatement of driving privileges from suspension/cancellation	1,400	1339
Revenue from Reinstatement Fees	**$74,075.00**	**$71,125.00**
Number of Warning Letters Issued - (Point Accumulation)	1425	1181
Number of Driving Record Interviews Issued - (Point Accumulation)	356	244
Drivers required to undergo a re-examination for various reasons (Requests from Law Enforcement, Medical Practitioners, Etc.)	**2002-2003**	**2003-2004**
Medical Referrals Issued	190	193
Vision Referrals Issued	47	31
Driving Re-Examination Conducted	211	186
Driving Record Interviews	65	57
Restricted Driver Licenses Issued	36	48
Requests for Abstracts of Driving Records from Insurance Companies and Individuals	39,765	41,294
Abstract Fee ($15.00) - Revenue	**$596,475.00**	**$619,420.00**

Systems Development and Support

Highway Safety have the following computer applications which statistical information can be generated:

- Driver Vehicle System (DVS)
- IRP (International Registration Plan)
- IRP Clearing House
- Records Management System (RMS)
- Collision and Accident Reporting System (CARS)
- Inter-Provincial Records Exchange System (IRE)
- Telephone Vehicle Registration System (TVRS)
- Photo Imaging System
- Carrier Management System(CMS)

The International Registration Plan (IRP) Section

The International Plan (IRP) is a Registration Reciprocity Agreement among States of the United States and Provinces of Canada providing for payment of license fees on the basis of total distance operated in all jurisdictions. The fees are divided among the IRP jurisdictions through which the vehicles travel and allow movement on an interjurisdictional and intrajurisdictional basis.

Typically, vehicles over 11,794kgs (26,000lbs) or buses with 20 seats or more that wish to travel in two or more jurisdictions must register under IRP. It is not mandatory that vehicles be registered under this Agreement, but if carriers do not register they will be required to register separately in each jurisdiction in which they travel or obtain an annual, part-year or temporary permit or single-trip permit.

During the year, there were 232 Prince Edward Island based carriers registering a total of 761 vehicles under the Agreement.

It is the purpose of this Agreement to grant reciprocity to apportioned fleets of vehicles and to provide for the continuance of reciprocity granted to those vehicles that are not eligible for apportioned registration under the terms of the Agreement.

IRP Clearinghouse

In November 2002, Prince Edward Island became the third Canadian jurisdiction to join the IRP Clearinghouse. This involves the electronic exchange and reconcilement of registration fee information and funds through a central computer system among member jurisdictions of the International Registration Plan.

Canadian Agreement on Vehicle Registration (CAVR)

CAVR is a Full and Free Reciprocity Agreement for Category "B" vehicles for interprovincial operations that may operate in all Canadian Provinces when legally registered in their home jurisdiction. They cannot be used for intra-provincial transportation, unless they meet conditions specified in Article V of the Agreement.

Atlantic Provinces Reciprocity Agreement

The Atlantic Provinces Reciprocity Agreement allows for the movement of all vehicles described in the Canadian Agreement on Vehicle Registration (CAVR) to perform both interjurisdictional and intrajurisdictional operations in the four provinces. This Agreement also allows for full reciprocity for miscellaneous equipment, road equipment that is used for construction and maintenance, dealer plates and in-transit permits.

IRP services are provided at the Charlottetown office of Highway Safety Division. The Distribution of Revenue is listed in the tables that follow.

Distribution of Revenue Collected from P.E.I. Based Carriers for Canadian Jurisdictions

PROVINCE	REGISTRATION FEES	SALES TAX FEES	ADMINISTRATION FEES	TOTAL FEES
PE	410,793.00	0	41,256.00	452,049.00
NB	402,589.00	0	0	402,589.00
NS	132,346.58	0	0	132,346.58
NL	4,113.19	0	0	4,113.19
QC	77,229.00	0	0	77,229.00
ON	42,889.00	51,120.72	0	94,009.72
MB	2,149.00	2,527.23	0	4,676.23
SK	2,823.00	2,992.19	0	5,815.19
AB	1,712.00	0	0	1,712.00
BC	2,542.00	1,504.44	0	4,046.44
TOTALS	1,079,185.77	58,144.58	41, 256.00	1,178,586.35

All Fees in Canadian Dollars

Distribution of Revenue Collected from PEI Based Carriers for United States Jurisdictions

JURISDICTION	PRORATE FEES (REG FEES)	SALES TAX FEES	TOTAL FEES
AL	152.85	0	152.85
AZ	920.10	0	920.10
AR	317.77	0	317.77
CA	1,001.16	319.00	1,320.16
CO	586.21	175.16	761.37
CT	8.736.06	0	8.736.06
DC	7.48	0	7.48
DE	672.76	0	672.76
FL	914.07	0	914.07
GA	506.56	0	506.56
ID	446.73	0	446.73
IA	1,464.94	0	1,464.94
IL	3,866.34	0	3,866.34
IN	934.51	406.59	1,341.10

KS	200.21	0	200.21
KY	494.17	0	494.17
LA	45.78	0	45.78
MA	8,694.77	0	8,694.77
ME	22,211.71	23,466.75	45,678.46
MD	1,350.68	0	1,350.68
MI	2,758.81	0	2,758.81
MN	740.28	0	740.28
MS	230.48	91.53	322.01
MO	811.94	0	811.94
MT	358.15	169.57	527.72
NE	662.17	0	662.17
NV	329.02	94.28	423.30
NH	1,336.74	0	1,336.74
NJ	5,762.38	0	5,762.38
NM	35.40	0	35.40
NY	7,363.53	0	7,363.53
NC	1,108.78	0	1,108.78
ND	302.06	0	302.06
OH	1,139.44	0	1,139.44
OK	297.79	0	297.79
OR	49.54	0	49.54
PA	6,988.35	833.02	7,821.37
RI	878.84	0	878.84
SC	703.65	0	703.65
SD	145.87	0	145.87
TN	743.04	0 .16	743.20
TX	427.22	0	427.22
UT	216.75	196.20	412.95
VT	953.81	0	953.81
VA	2,085.70	0	2,085.70
WA	510.06	3.68	513.74
WV	382.28	143.17	525.45

WI	1,068.20	0	1,068.20
WY	833.39	0	833.39
TOTAL	92,748.53	25,899.11	118,647.64

All fees in US Dollars

Distribution of Revenue Remitted from All Canadian Jurisdictions to P.E.I.

Jurisdiction	**Registration Fees**	**Sales Tax Fees**	**Total Fees**
NB	156,661.53	0	156,661.53
NS	105,122.00	0	105,122.00
NL	2,923.97	5,928.41	8,852.38
QC	32,885.71	0	32,885.71
ON	7,597.00	0	7,597.00
MB	203.00	0	203.00
SK	152.00	0	152.00
AB	309.00	0	309.00
BC	661.00	0	661.00
Totals	306,515.21	5,928.41	312,443.62

All Fees in Canadian Dollars

Distribution of Revenue Remitted From All US Jurisdictions to P.E.I.

Jurisdiction	Registration Fees	Sales Tax	Total Fees
AL	360.31	0	360.31
AZ	1,283.69	0	1,283.69
AR	18.00	0	18.00
CA	113.08	0	113.08
CO	32.00	0	32.00
CT	66.83	0	66.83
DE	11.52	0	11.52
DC	0	0	0
FL	40.84	0	40.84
GA	88.36	0	88.36

ID	5.69	0	5.69
IL	796.43	0	796.43
IN	410.00	0	410.00
IA	41.68	0	41.68
KS	14.04	0	14.04
KY	95.51	0.08	95.59
LA	19.46	0	19.46
ME	922.00	0	922.00
MD	26.92	0	26.92
MA	27.00	0	27.00
MI	8,979.63	0	8,979.63
MN	493.30	0	493.30
MO	573.37	0	573.37
MS	14.50	0	14.50
MT	5.81	0	5.81
NE	1,110.81	42.55	1,153.36
NV	61.87	0	61.87
NH	99.41	0	99.41
NJ	118.39	0	118.39
NM	1.70	0	1.70
NY	122.22	0	122.22
NC	110.81	0	110.81
ND	965.00	0	965.00
OH	264.21	0	264.21
OK	2,190.85	0	2,190.85
OR	1.00	0	1.00
PA	60.82	0	60.82
RI	92.80	0	92.80
SC	0	0	0
SD	20.02	0	20.02

TN	181.78	0	181.78
TX	850.23	0	850.23
UT	0	0	0
VT	139.59	0	139.59
VA	200.13	0	200.13
WA	55.41	0	55.41
WV	22.04	0	22.04
WI	7.00	0	7.00
WY	3.60	0	3.60
TOTAL	21.119.66	42.63	21.162.29

All Fees in US Dollars

Recap of Revenue

Revenue collected from PEI based carriers for all ten Canadian jurisdictions (in Canadian Dollars)	$1,178,586.35
Revenue retained by Prince Edward Island	$ 452,049.00
Revenue remitted to remaining Canadian jurisdictions (in Canadian Dollars)	$ 726,537.35
Revenue collected from PEI based carriers for US jurisdictions (in US Dollars)	$ 118,647.64
Revenue remitted to Prince Edward Island from all Canadian jurisdictions (in Canadian Dollars)	$ 312,443.62
Revenue remitted to PEI from US jurisdictions (in US Dollars)	$ 21,162.29

Registration and Licensing Section

Registration and Licensing service delivery is carried out through a service level agreement with Access P.E.I.

Vehicle Registration Breakdown

TYPE	2002-2003	2003-2004
Cars	62,922	63,013
Trucks	21,660	21,581
Motorcycles	976	1,103
Buses	365	521

Trailers	9,672	9,735
Off-Road Vehicles	1,676	1,445
Miscellaneous - Other Vehicles	721	698
Total Registrations	97,992	98,096

Total Number of Drivers per Class

CLASS	2002-2003	2003-2004
CLASS 1 - Tractor Trailers	4,175	4,328
CLASS 2 - Bus for more than 24 passengers including School Bus	1,317	1,352
CLASS 3 - Trucks over 14,000 kgs	9,154	9,223
CLASS 4 - Ambulance, Bus, Taxi for less than 24 passengers	5,367	5,581
CLASS 5 - Car, light truck	88,166	91,318
CLASS 6 - Motorcycle	6,380	7,720
CLASS 7 - Beginner's Instruction Permit	2,811	3,034

Safety Section

The Safety Section deals with issues relating to the driver and vehicle. In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques which are primarily directed to highway users, and by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. The countermeasure strategy is to increase the driver's knowledge of highway laws and safe driving practices. These include utilizing the news media for promotional and information purposes, testing new drivers, having licensing control over newly licensed drivers and correction of unsafe practices among all drivers.

The Safety Section plans and co-ordinates the following programs:

- Promotion of Highway Safety
- Driver Improvement Programs
- Motor Vehicle Inspection
- Highway Weight Enforcement
- National Safety Code

The basic objective of driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the *Highway Traffic Act*, regulations, and department policies. A driver requires the necessary knowledge, skill, physical and mental ability to operate a motor vehicle in order to obtain a driver's license.

A Driver Examiner tests all drivers applying for an initial license at Highway Safety, as well as those applying for a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening and a behind the wheel road test.

Driver Testing Statistics

Knowledge Tests 2002-2003	Knowledge Tests 2003-2004	Road Tests 2002 - 2003	Road Tests 2003-2004
1899	2018	1965	1894

Driver Education Licensing Certification Program

Highway Safety encourages young drivers to become involved in a Driver Education Program in order to promote correct driving habits. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit at 15 ½ years of age; however, they must wait at least 180 days and be at least sixteen years of age before becoming eligible for a road test.

Nine Commercial Driver Education Schools operated in Prince Edward Island during the year. Each school offered twenty-five hours of in-classroom instruction and ten hours behind-the-wheel training and six hours of observation time as required by the Driving School Regulations.

Driver Education School - Class 5 Driver License

Written Examinations		Road Tests	
2002-2003	1382	2002-2003	1284
2003-2004	1341	2003-2004	1282

Driver Improvement Program

The primary function of driver improvement is to identify problem drivers through their driving record. Interviews and meetings are conducted to encourage drivers to change their driving habits and attitudes in order to reduce fatalities, injuries and property damage. When a driver accumulates six or more demerit points, they are advised of the consequences which could result by the accumulation of additional demerit points. Nine or more demerit points requires the driver to attend a driver improvement interview, during which the driver is provided with an awareness of a driving problem and the process to a solution for the problem. Twelve or more demerit points results in the suspension for three months of the driver's license. All suspended drivers must attend a reinstatement interview and a Driver Improvement Course. Failure to attend this course could result in further suspension of the driver's license. During the year, a total of 80 drivers successfully completed the Driver Improvement Course.

Driver Rehabilitation Program

All drivers who are convicted of a second or subsequent offence for impaired driving pursuant to Section 253(a) (impaired driving), 253(b) (failing the breathalyser), or 254(c) (refusal of the breathalyser)of the *Criminal Code of Canada* must complete a driver risk assessment which is conducted by Highway Safety. This assessment must be completed before a suspended driver can have their driver's license considered for reinstatement. Further referral to Addiction Services or to a Driver Rehabilitation Program could be required.

A Driver Rehabilitation Program is also conducted for a first-time offender convicted of impaired driving. This program is a requirement before a driver's license is reinstated. During the year, 175 drivers completed a Driver Rehabilitation Program.

Traffic Safety Promotion
Highway Safety provides information regarding traffic safety through the use of the news media, brochures, posters and pamphlets. Campaigns are conducted promoting rules of the road, bicycle safety, off-highway vehicle rules, vehicle safety, winter driving tips, registration and license renewal reminders and seat belt use. A continuous campaign is conducted to encourage drivers not to drink and drive.

The SADD (Students Against Drunk Driving) program is also promoted and encouraged through Highway Safety. Each of the 12 high schools across the province has a Chapter of SADD.

Commercial Vehicle Enforcement Section - Motor Vehicle Inspection
The Motor Vehicle Inspection Program monitors the operating condition of all motor vehicles in Prince Edward Island. Inspection stations and mechanics are required to meet specific criteria in order to be licensed by the Province through Highway Safety.

The stations and mechanics are closely monitored by Motor Vehicle Inspection Officers.

Motor Vehicle Inspection Statistics

No. Stations	No. Mechanics	Cars/Trucks	Farm Trucks	Motorcycles	Trailers	TOTAL	No. Rejected
201	523	91,356	1,636	1,400	4,390	98,782	4,374

Roadside Vehicle Checks
Highway Safety Peace Officers, assisted by police agencies, periodically conduct roadside vehicle checks throughout the year. Items checked include driver's license, vehicle registration, inspection, insurance coverage, use of seat belts, window tint and infractions under the *Liquor Control Act*.

Inspection Facilities (Stationary Scales)
There are two weigh scale stations in Prince Edward Island. One is located at Borden-Carleton and the other in Wood Islands. The Borden-Carleton Scales are opened 24 hours a day throughout the year and are staffed by five full-time officers, two full/part-time officers and one relief officer.

The Wood Islands Scales operate from May to mid December each year, and are open daily. Staff includes one full-time and two full/part-time officers.

Weigh Scale Officers enforce the *Roads Act* and Vehicle Weight Regulations, *Highway Traffic Act* and Regulations, *Transportation of Dangerous Goods Act* and Regulations, *Plant Health Act* and the *Animal Health Act*.

Commercial Vehicle Enforcement Statistics

Truck Movement

ACTIVITY	LOCATION	NUMBER
Canadian Trucks	Borden/Carleton Scales Wood Islands Scales	262,860 11,977
U.S. Trucks	Borden/Carleton Scales Wood Islands Scales	908 01

Driver and Vehicle Checks

ACTIVITY	LOCATION	NUMBER
Driver's Documents	Borden/Carleton Scales Wood Islands Scales Portable Scales	9,391 610 567
Hours of Work (Driver's Log)	Borden/Carleton Scales Wood Islands Scales Portable Scales	1,376 132 172
Trip Inspections	Borden/Carleton Scales Wood Islands Scales Portable Scales	1,376 129 172
Dangerous Goods Inspections	Borden/Carleton Scales Wood Islands Scales Portable Scales	379 4 44

Miscellaneous Activities

ACTIVITY	LOCATION	NUMBER
Quick Check Stickers Issued	Borden/Carleton Scales Wood Islands Scales	285 167
Potato Levy Slips Collected	Borden/Carleton Scales Wood Islands Scales	9,529 239
Vehicles Checked For Taxable Goods	Borden/Carleton Scales Wood Islands Scales	70 0
Forest Products	Borden/Carleton Scales Wood Islands Scales	4,725 552
Vehicles Quarantined Plant Health Act	Borden/Carleton Scales Wood Islands Scales	03 00
Apiary Act	Borden/Carleton Scales Wood Islands Scales	0 0
Animal Health Act	Borden/Carleton Scales Wood Islands Scales	0 0
Fisheries Product Act	Borden/Carleton Scales Wood Islands Scales	0 45

Permits Issued

TYPE	LOCATION	NUMBER	REVENUE
In-Transit	Borden/Carleton Scales	42	$ 210.00
	Wood Islands Scales	9	45.00
Oversize	Borden/Carleton Scales	495	10,330.00
	Wood Islands Scales	41	610.00
Overweight	Borden/Carleton Scales	149	3,725.00
	Wood Islands Scales	34	850.00
Trip	Borden/Carleton Scales	485	66,825.00
	Wood Islands Scales	24	3,150.00
Fuel	Borden/Carleton Scales	342	8,550.00
	Wood Islands Scales	22	550.00
Work	Borden/Carleton Scales	51	12,200.00
	Wood Islands Scales	03	600.00
Non-Compliance	Borden/Carleton Scales	191	19,100.00
	Wood Islands Scales	15	1,500.00
Disinfection Fees	Borden/Carleton Scales	2144	22,940.80
	Wood Islands Scales	65	695.20
Other Category B	Borden/Carleton Scales	0	0.00
	Wood Islands Scales	0	0.00
TOTALS	Borden/Carleton Scales	3899	**$143,880.80**
	Wood Islands Scales	213	**8,000.50**

Recorded Violations

ITEM	LOCATION	NUMBER	REVENUE
Roads Act	Borden/Carleton Scales	306	$ 39,190.00
	Wood Islands Scales	26	3,124.00
Highway Traffic Act	Borden/Carleton Scales	129	8,770.00
	Wood Islands Scales	14	1,354.00
Dangerous Goods Act	Borden/Carleton Scales	0	0
	Wood Islands Scales	0	0
TOTALS	Borden/Carleton Scales	435	$ 47 ,960.00
	Wood Islands Scales	40	4,478.00

Enforcement Officers conduct Commercial Vehicle Safety Alliance (CVSA) roadside inspection of drivers and vehicles and loads carried.

Vehicles inspected fall into three categories:

- Pass (CVSA sticker applied to vehicle)
- Out of Service (vehicle must be towed or repaired before it proceeds)
- Restricted (Vehicle must be repaired before next dispatch).

Driver's inspected fall into two principle areas:

- Non-compliance
- Compliance

These inspections would include hours of service (log book), status of license, required endorsements, etc.

Commercial Vehicle Safety Alliance Statistics

ITEM	2002-2003	2003-2004
Total Number of Trucks Inspected	1740	2548
Power Units Out Of Service	112	346
Trailers Out Of Service	102	0

The Portable Scale Unit consists of two vehicles and portable wheel weigher scales. The unit is staffed by two permanent full-time officers.

Officers enforce the *Roads Act*, Vehicle Weight Regulations, *Highway Traffic Act*, *Transportation of Dangerous Goods Act*, Fuel Tax, *Plant Health Act* and *Animal Health Act*.

Portable Scales Statistics

CHARGES	REVENUE
394	$ 52,448.00

Insurance Statistics
There were 4,727 notifications of insurance cancellations during the year.

Dealer Audits
Highway Safety Officers completed 28 audits of the 140 licensed Dealers in P.E.I. These audits are to ensure compliance with the regulations for holding a Dealer's Trade License.

PLANNING, BUILDINGS and PROPERTIES DIVISION

The Division provides the staff and resources required to:

- Complete strategic planning for the highway network and other transportation sectors.
- Complete the design and construction of new, as well as, renovation of existing buildings for Government departments, boards, and agencies.
- Operate and maintain buildings owned or leased by the Department.
- Provide core land management and administration for all government lands and holdings, and real estate services on behalf of all government departments.

General activities and specific projects carried out by each Section are summarized as follows:

PLANNING

The Planning Section is responsible for the assessment and analysis of transportation requirements and policies within the Province, including road, air and marine. This Section also provides professional engineering support and direction in the areas of:

- strategic and functional highway planning
- creation of preliminary design options
- preparation and review of traffic studies
- project management support and supervision for special projects relating to transportation planning, design and highway construction
- department representation during the planning and implementation of infrastructure development projects on behalf of municipalities and community development groups
- strategic federal policies, regulations, infrastructure and services including aviation and ports on Prince Edward Island; and
- support and planning with regard to the implementation and management of transportation research initiatives and new technologies which have the potential to contribute to the enhanced economic development by improving safety and efficiency on the provincial highway network

The Planning Section was involved with a number of projects including:

Intelligent Transportation System (ITS)
Intelligent Transportation Systems (ITS) includes the application of advanced information and communication technologies to make our transportation systems safer, integrated, efficient, and environmentally accountable. This technology can provide enhancement to public and rural transportation in the region, improving efficiency in: traffic, public transit, commercial vehicle management and traveler information.

The Province, in cooperation with the other three Atlantic Provinces and Transport Canada, has developed the terms of reference for an Atlantic Regional ITS strategic plan which focuses on developing a comprehensive roadmap setting the direction and pace of ITS investments within each of the four Atlantic Provinces over the next ten years and beyond, in a coordinated and focused manner. The development of a regional strategic plan will lay the necessary ground work for the implementation of ITS application in the four Atlantic Provinces.

Public Transportation
Staff continues to examine the concept of public transit, including the various economical, environmental and community implications surrounding public transportation to determine what possible benefits might accrue.

Divisional staff continues to learn more about existing private transportation operations on PEI, investigating the demographics of the potential ridership, geographic areas of need and associated operating and capital costs. Staff also participated in the Shifting Sands Conference sponsored by the PEI Seniors Federation. Seniors are often identified as a potential ridership and there is an anticipated increase in the number of seniors within the next ten to fifteen years as a result of the baby boom generation.

PEI Marine Port Divestiture

In December 1995, Transport Canada announced the creation of a National Marine Policy, calling for modernization of the marine management and regulatory regime and greater efficiency and effectiveness in the marine transportation sector. The direction of the National Marine Policy is to commercialize ports, waterways and services formerly provided by the Canadian Coast Guard such as ice-breaking, navigational aids, dredging and other marine services.

The port facilities in Charlottetown, Summerside, Souris, and Georgetown are important economic generators in these communities, and to the Province as a whole. While these ports do not handle the high volume of traffic handled by other Maritime ports such as Halifax or Saint John, they do have significant traffic which is important to the Island's economy.

Discussions between Transport Canada and the Department related to divestiture of the four Island ports failed to reach an agreement that was acceptable to the Department. The Department continues to monitor the ongoing status of the federal port divestiture initiative.

Air Transportation

The National Airports Policy (NAP) was a commercialization initiative representing a Government of Canada vision for airports to ensure a safe, secure and viable National Airports System that would serve Canada into the 21st century. The divestiture and transfer process of airports to local airport authorities was successful in terms of bringing business practices and community involvement to local airports. However, some smaller airports have expressed concerns regarding their financial viability.

These changes to the air industry coupled with the merger of Canadian Airlines International into Air Canada have impacted the number of regional service flights. Route rationalization and changes in aircraft type are affecting flight frequency, routings, and route capacities, scheduling and fares with consequent effects on airports activities and revenues. As a result, a number of airports are concerned about their ability to operate and maintain their facilities.

National Highway System

Efforts continued thru the year to achieve Provincial, territorial and Federal agreement on expansion of the network of roads in Canada that are designated as the National Highway System, which is a criteria used to determine eligibility for various Federal programs. The National Highway System in Prince Edward Island is limited to Route 1 from Borden to Wood Islands, the Department continues to present the case that Route 2 from Tignish to Souris is an essential route that connects major population and industrial areas to each other and other Provinces.

Community Development Projects

The Division provided planning assistance to a number of Community development groups interested in developing infrastructure within their community and to Town Councils relating to access concerns and intersection realignment associated with proposed major commercial developments.

BUILDING DESIGN AND CONSTRUCTION

The Building Design and Construction Section is responsible for the planning, design and preparation of tender documents required for the construction or renovation of various government and client buildings; as well as the supervision and inspection of construction work, to ensure that contracts are completed in accordance with plans, specifications, and budget allocations. The work is either performed by staff or private consultants engaged for a project and supervised by the staff; and includes the following:

- evaluation of existing buildings
- preparation of multi year infrastructure upgrading forecasts
- development of concept plans
- preparation of cost estimates
- preparation of working drawings and specifications required to obtain tenders, receipt of tenders and preparation of constructions contracts
- preparation of request for proposals covering required consultant services and evaluation of consultant services proposals.

Design work was completed and tenders were received during the year for the following projects:

Greenfield Elementary School - Window Replacement - March 30, 2004

WM&M (1993) Ltd.	$68,680.00
MacLean Construction	$72,450.00
G.I. Adams	$75,500.00
Star Construction	$81,400.00
Lyn/Gor Development	$84,400.00

Kensington Intermediate High School - Partial Roof Replacement - March 30, 2004

Ashe Roofing	$91,200.00
DRL Roofing	$97,750.00
Atlantic Roofers	$104,910.00
McCarthy's Roofing	$129,800.00

Souris Consolidated School - Fire Alarm System - March 30, 2004

DBA Solar Electric	$19,996.00
Foster Campbell	$26,351.00
Hansen Electric	$26,800.00
AMAC Electric	$35,700.00

5th Floor Shaw Reception Area Renovations - March 31, 2004

MacLean Construction	$68,870.00
WM&M (1993) Ltd.	$71,600.00
Schurman Construction	$82,200.00

Eliot River Elementary School - Parking Lot Upgrade - Phase 2 - April 8, 2004

Chapman Bros.	$46,362.50
Island Construction	$49,000.00
Pauley Construction	$63,897.00

Souris Regional High School - Gym Roof Replacement - April 8, 2004

DRL Limited	$56,420.00
Atlantic Roofers	$58,875.00
McCarthy's Roofing	$73,000.00
Ashe Roofing	$79,400.00

Summerside Government Garage - Ventilation - June 1, 2004

Sherbrooke Mechanical	$ 6,925.00
Poirier Heating & Cooling	$ 7,246.00
Entire Mechanical Inc.	$ 8,335.00

Birchwood Intermediate School - Gym Floor Refinishing - June 3, 2004

Crystal Flooring	$41,175.00
MacLean Construction	$49,700.00

Fortune, Souris, Eastern Kings Consolidated Schools - Window & Door Replacement - June 3, 2004

Schurman Construction Ltd.	$66,898.00
WM&M (1993) Ltd.	$67,200.00
Lyn/Gor Development	$67,470.00
B. Clinton Construction Ltd.	$68,800.00
MacLean Construction	$69,900.00

Orwell Corner - Foundation Replacement - June 10, 2004

P.D. Construction	$39,200.00
Move All Structures	$45,410.00
Van Wiechen Construction	$49,000.00

Tyne Valley Child Youth Development Centre - Secure Assessment Rooms - June 24, 2004

GIA Ltd.	$66,149.00
Wellington Construction	$79,769.00
Star Construction Ltd.	$81,000.00

Colonel Grey Senior High School - PA & Phone System Upgrade - June 24, 2004

Hansen Electric	$46,000.00
DBA Solar Electric	$47,666.00

Western School Board - Ventilation & A/C Systems - June 24, 2004

Entire Mechanical	$99,890.00
J & S Sheet Metal	$102,400.00
Bevan Bros.	$104,756.00
Sherbrooke Mechanical	$119,835.00
Gavin Gill	$130,000.00

Central Queens Elementary School - Partial Window Replacement - June 24, 2004

Schurman Construction	$46,138.00
MacLean Construction	$49,940.00
Lyn/Gor Development	$54,187.00
Highfield Construction	$54,969.00
WM&M (1993) Ltd.	$55,935.00

Former Prince County Hospital - Demolition - June 24, 2004

Demolition Resources Ltd (DRL)	$279,979.13
Maint. Services Ltd.	$363,600.00
Marinus Verhagen Ent	$626,000.00
Dexter Construction	$664,000.00
Curran & Briggs Ltd.	$709,499.00

Mill River - Waste Water Treatment Facility - July 8, 2004

Curran & Briggs Ltd.	$1,526,725.22
Duffy Construction Ltd.	$1,538,383.94
A.J.L. Ltd.	$1,668,215.00
Island Coastal Services	$1,700,208.60

Provincial Administration Complex - Concrete Repairs - July 9, 2004

Brumac Construction	$44,950.00
Ostridge Bros.	$54,671.00

3 Oaks Senior High School - Drainage Improvements - July 13, 2004

Island Coastal Services	$63,650.00
A.J.L. Limited	$73,780.51
O'Meara's Heavy Equipment Ltd.	$112,149.53
Lyn/Gor Development	$245,388.00

Shaw Building - North End -1st Floor Windows - Phase 1 - July 30, 2004

Schurman Construction	$138,523.00
WM&M (1993) Ltd.	$165,000.00

Eastern Kings French School - Souris - Renovation - August 3, 2004

WM&M (1993) Ltd.	$174,400.00
B. Clinton Construction	$174,978.00
Schurman Construction	$184,900.00
Gill Construction	$194,616.00

Access PEI - O'Leary - Window Replacement - August 3, 2004

Perry's Construction	$46,000.00
Schurman Construction	$47,300.00
Lyn/Gor Development	$48,760.00
Phoenix Builders	$56,750.00

O'Leary Liquor Store - Loading Ramp - September 2, 2004

H I Construction	$12,900.00
Curran & Briggs	$13,500.00

Customs House - Window Replacement & Masonry Repointing - September 2, 2004

MBS Construction & Restoration	$262,900.00
Gill Construction	$274,000.00
WM&M (1993) Ltd.	$290,000.00
Schurman Construction	$293,700.00

Province House - Emergency Power - October 7, 2004

Hansen Electric	$38,300.00
B.C. Electric	$42,058.00
Olympia Electric	$48,300.00

PEILCC Warehouse - Loading Ramp Reconstruction & Railhead Infill - October 14, 2004

Schurman Construction	$67,990.00
WM&M (1993) Ltd.	$78,000.00
Southern Kings Construction	$80,700.00

Highway Maintenance Depots - Above Ground Diesel Fuel Storage Tanks - October 27, 2004

Creed's Petroleum	$47,961.00

Construction contract administration and inspection services were provided for projects tendered during the year, as well as the following projects that had been tendered in previous years:

- Summerside Intermediate School - Phase 2
- Bluefield High School - Phase 2
- Sewage Lagoons - Three Provincial Parks - Cabot, Linkletter, and Northumberland
- Miscouche Consolidated - Storm Sewer/Parking Lot Lining

BUILDING MAINTENANCE AND ACCOMMODATIONS SECTION

The Building Maintenance and Accommodations Section is responsible for the provision of quality services for Government in the areas of building operations, maintenance, and accommodations. The Operations and Maintenance section is responsible for the day to day operation and maintenance of Government buildings and systems. The Accommodations section is responsible for the short and long term spatial requirements of Government Departments and Agencies housed within Government owned and/or leased facilities.

Operations and Maintenance Section Projects

Island Wide

- Waste Watch delivery and monitoring
- Shredding of sensitive documents
- Clean up after Hurricane Jaun
- Preparation of multi year maintenance forcast
- Initiation of energy conservation program

Prince County

Borden Scale House

- New cement floor & fans South Side

Alma Field Office

- New office constructed

Lady Slipper VIC

- New roof installed
- Repointed stone chimney

Kensington Potato Services

- Exterior painting
- Repair sidewalks

Prince County Jail

- Repair asphalt in parking lot

PEI Youth Centre

- Repair front walkway
- New water softener
- New floor installed in walk in cooler
- Repairs to roof and windows

Wellington Forestry

- Exterior painting of garage and office building
- Replaced septic tank
- New overhead garage door

Tyne Valley Youth Centre

- New hot water heater

Green Park and Museum

- New roof on Museum

Yeo House

- New septic system
- New well and ultra violet Light installed

Mt Pleasant VIC

- New ultra violet Light installed

Queen's County

PAB Complex

- New access security system installed on main doorways to each building
- All buildings are wired together with fiber optics for data communications

Sullivan Building

- New air compressor in boiler room
- Updated mechanical systems 4 th floor
- New distilled water system water lab
- Installed exhaust fan in laminating room
- Renovated office space on 1st ,2nd and 3rd floors
- Maintenance painting
- New ice machine in cafeteria
- New condenser unit installed on roof

Shaw Building

- Renovated Queens Printer
- Mechanical upgrade to 1st floor booster fan, controls installed
- Office renovations, 5th floor
- Security access doors installed, 4th floor south and centre
- Data wiring upgrade to some floors
- New sidewalk replacement
- Maintenance painting

Jones Building

- Heating control upgrade
- 1st floor renovations
- Data wiring upgrade to some floors
- Maintenance painting

Mona Wilson

- Exterior painting
- Renovation of disabled washroom
- Interior painting

Coles Building

- Repaired window seals
- Maintenance painting

Government House

- Interior painting
- Re-paved driveway
- Construct Gate House (Paid by others)
- Re-shingled garage roof
- Exterior Painting of garage
- Construction of east garden, lighting of east garden
- Removal of dead trees and planting of new trees

Cavendish VIC

- Installed safety rails
- Interior and exterior painting
- Installed ultra violet light

Brackley VIC

- Interior renovations (Paid by others)

Beach Grove Warehouses

- Exterior Painting
- Repaired exterior windows

Aubin Arsenault Building

- New flooring and paint in meeting room 1
- Maintenance painting
- New office constructed

Cavendish VIP Cottage

- Stain fence

Province House Annex

- New LAN room in basement
- Relocated Elections P.E.I. to 1st floor

Province House

- Total renovation to Legislative Assembly
- New carpet in Library
- Maintenance painting

Davis Law courts

- Refinished some hardwood floors
- 2 new well pumps

Customs House

- Emergency repairs to bricks
- Shingled 2 sections of roof

Correctional Centre

- New gun box and some locks
- New fire emergency door in office area
- Repairs to roof drain piping
- Repairs to roofs of training and wood working trailers
- Maintenance painting

King's County

South Hampton Forestry

- Siding replacement.

Georgetown Youth Centre

- Installed new domestic hot water heater.

Montague Access

- Siding and window replacement.

Georgetown Courthouse

- Asphalt roofing replacement.

Montague Office Complex

- Construction of offices in Addictions.

Pooles Corner Visitor Information Centre

- Interior painting.

Sally's Beach

- Constructed new trails through woods.

PROPERTIES SECTION

The Properties Section of the Department of Transportation and Public Works is responsible for the provision of all real estate services on behalf of all government departments in regards to the ownership of provincial properties. Examples of the types of real estate services that are commonly provided are as follows:

- Appraisals
- Acquisition
- Disposal
- Negotiations
- Marketing
- Leasing
- Property Management
- Expropriation
- Title Research
- Paralegal Services
- Consulting
- Building Demolition
- Public Tenders
- Public Relations

Real estate services are also provided to other government agencies such as the School Districts, Health Agencies, Energy Corporation, Island Waste Management Corporation, Liquor Control Commission, Museum and Heritage Foundation, Charlottetown Area Development Corporation, Holland College, Prince Edward Island Business Development Inc., Municipalities and other local Development Corporations formed to promote economic growth outside the larger municipal centres.

The Properties Section maintains a computer based filing system capable of tracking property inventory, lease renewals, rental payments, properties acquired, sold and leased, production of reports pertaining to provincial land inventory and recording of requests received regarding provincial lands.

Staff members participate on various government committees, including the Land Use Coordinating Committee, Provincial Land Review Subcommittee, Natural Areas Protection Act Technical Advisory Committee, Resource Land Acquisition Fund Committee and the Rail Land Review Committee.

As of March 31, 2004 there were approximately 1889 properties (92,763 acres) held in provincial ownership and under the management of various government departments.

The Section over the past year received 566 requests related to provincial property matters.

CAPITAL PROJECTS

CHIEF ENGINEER'S REPORT

The Capital Projects Division is responsible for the design, construction, and reconstruction of the Province's highways and bridges. This includes the associated tasks of data collection, surveying, mapping, materials testing, traffic engineering and bridge maintenance. The responsibilities for construction, reconstruction, subdivision development, and traffic engineering come under the direction of three Regional Engineers. The main offices for the Eastern, Central, and Western Regions are in Georgetown, Charlottetown and Summerside respectively. The Western Region also has a field office in Alma.

Traffic operations in the three regions was managed by two Traffic Operations Managers, one working out of both Georgetown and Charlottetown, and one working out of Summerside and responsible for the Provincial Sign Shop in Tignish.

The design of highways and bridges is managed from the Charlottetown office, as is the project management of bridge construction and maintenance. The structural highway design and testing of construction materials is managed from the Highway Testing Laboratory in Mt. Stewart, with additional testing facilities in Summerside.

The Charlottetown office is also the work place for the Occupational Health & Safety Manager, the Special Projects Engineer, staff in Pavement Management, the Geographic Information System for Transportation, the Chief Surveyors Office and the Chief Engineer's office.

Planning for Capital Projects emphasized the need for completing the work early in the fall under favorable weather conditions, tendering the work in larger projects to improve quality and control, concentrating efforts to improve Route 2 where paved shoulders are needed, and dedicating more resources to bridge replacement. The total capital highway and bridge expenditures were just over $23,300,000. This was a significant improvement from the previous year, but the identified needs to keep the highway network in good condition would exceed this amount on an annual basis.

The Province and the Federal Government continued to utilize the Strategic Highway Infrastructure Program (SHIP) to make improvements to the National Highway System within PEI. Transport Canada administers the SHIP agreements for the Federal Government. The Department prepared documentation for adding Route 2 to the National Highway System.

Traffic analysis and design were completed in conjunction with the City of Summerside on the intersection of Route 1A and Water Street at Read's Corner. Design and construction was undertaken in conjunction with the PEI Museum & Heritage Foundation on locating the access to the new PEI Agricultural History Museum and the Orwell Corner Historic Village on the Uigg Road instead of the TCH . One non-essential road was upgraded to local unpaved status at a developer's expense. The construction security from one subdivision was used to place the asphalt seal course.

A major storm on March 31, 2003 resulted in the failure of 3 significant drainage structures in King's County. Detours and temporary traffic controls were installed and the structures were replaced as soon as possible with new concrete box structures. Funding for these replacements was cost-shared through the Disaster Relief Fund. *Hurricane Juan* on September 29 disrupted traffic in many areas as a result of fallen trees and power outages at traffic signals, but there were no significant structural failures.

A contract was prepared to have the *Traffic Control Procedures for Road Work* rewritten to reflect current traffic control practices.

Highways and Bridges

Capital highway projects are administered by the three Regional Engineers and the Special Projects Engineer.

They review the deficiencies of the highway system and plan for the upcoming years considering safety, traffic volumes, surface conditions, truck traffic and other departmental and public concerns relative to each project. The selected projects are surveyed and designed with input from environment, traffic, properties, surveys, materials and municipal personnel as required. The regional staff prepare cost estimates and tenders, review tenders, award contracts, administer the contract, evaluate the work, record contract quantities, prepare payments, identify deficiencies, and accept the work. The highway projects include those cost-shared with Transport Canada through SHIP.

Capital bridge projects are administered by the staff of the Design Section with assistance from the Regional Engineers as required. They review the deficiencies of the bridges and plan for the upcoming years considering safety, traffic volumes, structural condition, truck traffic and other departmental and public concerns relative to each project. Design and contract administration are similar to highway projects.

The highway and bridge tenders and projects carried out are shown in the following tables and sections.

Weigh Scale Contract Quantities

The Engineering Services Section is responsible for ensuring current and accurate totals of all materials which are paid by weight on all highway construction and maintenance projects. Training and quality control supervision is provided to all district checkers, data collectors, weighers, and checkers. Scale site activities are reviewed in conjunction with Measurement Canada and Highway Safety Division to ensure that there is compliance to the *Federal Weights and Measures Act*, the *Roads Act* Vehicle Weight Regulations, and the General Provisions and Contract Specifications for Highway Construction.

The Section provides data entry of material tickets for progress payments on all highway construction and maintenance projects. The material tickets information is entered into the Construction Analysis and Tracking System (CATS), designed to assist the capital and maintenance staff in managing their highway projects. The same activities are followed to maintain the records of the winter sand contracts for the Maintenance Division.

Subdivision Development

Subdivisions continue to be built by private developers who are responsible for the surveying, construction, testing and deeding of the new streets Department staff work with the developers and provincial or municipal planners to prepare a design with an acceptable roadway, stormwater management plan, and utility services. An agreement is then signed between the three parties identifying responsibilities, costs, and scheduling. The developer deeds the right-of-way to the Province at such time as the conditions of the agreement are met.

SCHEDULE OF TENDERS FOR STRATEGIC HIGHWAY INFRASTRUCTURE PROGRAM

Trans Canada Highway - Pinette Sluiceway Replacement

Tender Opened August 19, 2003

Highfield Construction Ltd.	$1,897,718.55
Island Coastal Services Inc.	$1,921,203.75

Awarded to Highfield Construction Ltd.

Trans Canada Highway - Pinette Road Work

Tender Opened August 19, 2003

Island Construction Ltd.	$530,712.50
Chapman Bros. Construction.	$531,636.00

Awarded to Island Construction Ltd.

STRATEGIC HIGHWAY INFRASTRUCTURE PROGRAM (SHIP)

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Asphalt Base	Asphalt Seal	Reconstruction
TCH Rte 1, Pinette Sluiceway Replacement	0.29	0.29	0.29	0.0	0.0	0.29	0.29	0.29
TCH, Rte 1, Cornwall - Note 1&2	0.23	0.23	0.23	0.0	0.0	0.23	0.23	0.0
TCH, Route 1 - Pinette	2.01	0.0	0.0	0.0	2.01	0.0	2.01	0.0
- Rte 207, Garfield Road - Note 3	1.17	0.0	0.0	0.0	1.17	0.0	1.17	0.0
- Rte 208, Flat River Road - Note 3	0.88	0.0	0.0	0.0	0.48	0.0	0.88	0.0
- RI 42106, Pinette Road - Note 4	0.15	0.0	0.0	0.0	0.15	0.0	0.15	0.0
- RI 42015, MacRae Drive - Note 4	0.09	0.0	0.0	0.0	0.09	0.0	0.09	0.0
Totals	**4.82**	**0.52**	**0.52**	**0.0**	**3.9**	**0.52**	**4.82**	**0.29**

Note 1: Cornwall - Lorrie Drive - eliminated all direct access to TCH from Lorrie Drive.
Note 2: Cornwall - James Street - eliminated access from MacArthur Drive to TCH through James St.
Note 3: Route 207 and 208 strengthened for TCH detour
Note 4: Local roads turned into a cul-de-sac to eliminate intersections on TCH

SCHEDULE OF TENDERS - HIGHWAYS AND BRIDGES

Route 6, Cavendish Road

Opened May 21, 2003

Curran & Briggs Ltd.	$ 64,920.60
Chapman Bros. Construction Ltd.	$ 71,119.00
Island Construction Ltd.	$ 70,850.60

Awarded to Curran & Briggs Ltd.

Route 2, Malpeque Road, Milton Station

Opened May 21, 2003

Island Construction Ltd.	$1,248,288.40
Island Coastal Services	$1,269,213.00
Chapman Bros. Construction	$1,334,812.50

Awarded to Island Construction Ltd.

Route 2, Western Road, Tignish

Opened May 21, 2003

HI Construction Ltd.	$1,092,685.00

Chapman Bros. Construction	$1,215,870.00
Curran & Briggs Ltd.	$1,163,806.00

Awarded to HI Construction Ltd.

Route 2, Western Road, New Annan

Opened May 21, 2003

Curran & Briggs Ltd.	$1,221,722.50
Island Coastal Services	$1,316,603.00

Awarded to Curran & Briggs Ltd.

Route 2, Western Road, Northam to Ellerslie

Opened June 4, 2003

Curran & Briggs Ltd.	$1,307,169.90
Chapman Bros. Construction	$1,374,102.50
Island Coastal Services	$1,319,672.50
A J L Limited	$1,339,338.50

Awarded to Curran & Briggs Ltd.

Route 2, St. Peters Road, St. Peters Bay East

Opened June 19, 2003

Island Construction Ltd.	$2,224,135.20
Chapman Bros. Construction Ltd.	$2,281,179.00
Island Coastal Services	$2,448,979.20

Awarded to Island Construction Ltd.

Route 4, Commercial Cross

Opened July 22, 2003

Chapman Bros. Construction Ltd	$ 151,944.00
Island Construction Ltd	$ 154,216.40

Awarded to Chapman Bros. Construction Ltd.

Route 1, Trans Canada Highway, Bonshaw

Opened July 22, 2003

Island Construction Ltd	$ 504,256.20
Chapman Bros. Construction Ltd	$ 509,024.50

Awarded to Island Construction Ltd.

Primrose Drive/Waterview Drive, Primrose Point Subdivision, Cornwall

Opened July 22, 2003

Island Construction Ltd.	$ 70,081.00
Chapman Bros. Construction Ltd.	$ 71,501.00

Awarded to Island Construction Ltd.

Route 210, Queens Road

Opened July 22, 2003

Chapman Bros. Construction Ltd.	$ 36,442.00
Island Construction Ltd.	$ 43,128.00

Awarded to Chapman Bros. Construction Ltd.

Route 148, Brockton

Opened July 22, 2003

HI Construction	$ 222,098.00

Awarded to HI Construction

Route 2, Western Road, Rosebank

Opened July 22, 2003

HI Construction	$ 258,185.00

Awarded to HI Construction

Route 142, Springfield West

Opened July 22, 2003

HI Construction	$ 237,983.00
Curran & Briggs Ltd	$ 238,011.00

Awarded to HI Construction

Route 128, Harmony Road

Opened July 22, 2003

Curran & Briggs Ltd.	$ 297,270.00

Awarded to Curran & Briggs Ltd.

Route 11, Linkletter Road

Opened July 22, 2003

Curran & Briggs Ltd.	$ 139,899.75

Awarded to Curran & Briggs Ltd.

Route 10, Green Road

Opened July 22, 2003

Chapman Bros. Construction Ltd	$ 576,645.00
Curran & Briggs Ld.	$ 577,868.00
Island Coastal Services	$ 581,785.00

Awarded to Chapman Bros. Construction Ltd.

Route 16, St. Margaret/Naufrage

Opened August 21, 2003

Chapman Bros. Construction Ltd.	$ 183,634.50

Awarded to Chapman Bros. Construction Ltd.

Simpson Lane, Tarantum

Opened August 21, 2003

Island Construction Ltd.	$ 155,507.70
Chapman Bros. Construction	$ 161,400.20

Awarded to Island Construction Ltd.

Route 11, Enmore

Opened August 21, 2003

Curran & Briggs Ltd.	$ 199,327.40

Awarded to Curran & Briggs Ltd.

Route 2, St. Peters Road, Charlottetown

Opened September 18, 2003
Island Coastal Services .... $ 991,886.00
Birt & MacKay Backhoeing $1,172,863.95
Awarded to Island Coastal Services

Keppoch Road, Stratford

Opened September 18, 2003
Kings County Construction Ltd. .... $ 182,830.50
Island Coastal Services .... $ 188,403.00
Birt & MacKay Backhoeing .... $ 208,937.14
Awarded to Kings County Construction Ltd.

Eastern Region - Highways & Bridges

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Asphalt Base	Asphalt Seal	Reconstruction
Rte 2, St. Peters - Five Houses	2.60	2.60	2.60	0.0	0.0	2.60	2.60	2.60
Rte 3, Williams Lake Structure[1]	0.08	0.08	0.08	0.0	0.0	0.08	0.08	0.08
Rte 4, Commercial Cross	1.60	0.0	0.0	0.0	1.60	0.0	1.60	0.0
Rte 16, Hermanville Structure[1]	0.08	0.08	0.08	0.08	0.0	0.08	0.08	0.08
Rte 16, Northside Rd (Naufrage)	2.60	0.0	0.0	0.0	0.0	2.60	2.60	0.0
Rte 17, Lr Montague Structure[1]	0.30	0.30	0.30	0.0	0.0	0.30	0.30	0.30
Rte 350, Canavoy Rd	1.30	0.0	0.0	1.30	0.0	0.0	0.0	0.0
RI 23047 Settlement Rd	1.90	0.0	0.0	1.80	0.0	0.0	1.90	1.80 - new pavement
RI 23151 Bennett Rd	1.40	0.0	0.0	1.40	0.0	0.0	0.0	0.0
RI 23783 Cable Head Rd	3.00	0.0	0.0	3.00	0.0	0.0	3.00	0.0
Tourist Access Rd, St. Peters	0.10	0.0	0.0	0.10	0.0	0.0	0.10	0.10 - new pavement
Totals	**14.96**	**3.06**	**3.06**	**7.68**	**1.6**	**5.66**	**12.26**	**4.96**

1. Structure Replacement due to storm damage of March 31, 2003.

Central Region - Highways & Bridges

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Asphalt Base	Asphalt Seal	Reconstruction
Rte 1, TCH	2.10	0.0	0.0	0.0	0.40	0.50	2.10	0.0
Rte 2, Malpeque Rd, Milton	1.42	1.42	1.42	0.0	0.0	1.42	1.42	0.0
Rte 2, St. Peters Rd, storm sewer[1]	1.08	1.08	1.08	0.0	1.08	1.08	0.0	1.08 - to be sealed
Rte 6, Cavendish	1.23	0.0	0.0	0.0	0.0	0.0	1.23	0.0
Rte 210, Queens Rd, Head of Montague	0.93	0.0	0.0	0.0	0.0	0.0	0.93	0.0
Rte 226, Darlington Rd	2.70	0.0	0.0	2.70	0.0	0.0	2.70	0.0
Rte 238, Campbellton Rd	1.02	1.02	0.0	1.02	0.0	0.0	1.02	1.02 - new pavement
Rte 243, Millboro Rd, Ebenezer	0.80	0.0	0.0	0.80	0.0	0.0	0.0	0.0
Rte 247, Bannockburn Rd	1.50	0.0	0.0	1.50	0.0	0.0	1.50	0.0
Rte 255, Simpson Lane, Tarantum	1.55	1.55	0.0	0.0	0.0	1.55	1.55	1.55
Rte 256, MacKenzie Rd.	1.00	1.00	0.0	1.00	0.0	0.0	1.00	1.00 - new pavement
Rte 257, White Rd, Watervale	2.71	2.71	2.71	0.0	0.0	0.0	0.0	0.0
RI 12113, Green Rd	1.50	0.0	0.0	1.50	0.0	0.0	1.50	0.0
RI 12157, New Argyle Rd	1.50	0.0	0.0	1.50	0.0	0.0	1.50	0.0
RI 22054, Campbells Rd.	0.10	0.0	0.0	0.10	0.0	0.0	0.0	0.0
RI 22121, Old Rte 2 Rd, Milton	0.43	0.0	0.0	0.0	0.0	0.0	0.43	0.0
RI 22124, Moase Dr, Warren Gr	0.70	0.0	0.0	0.70	0.0	0.0	0.70	0.0
Access Rd, Orwell (Museum)[2]	0.47	0.47	0.47	0.0	0.0	0.0	0.0	0.0
Keppoch Rd, storm sewer	0.76	0.0	0.0	0.0	0.0	0.0	0.76	0.0
Totals	23.50	9.25	5.68	10.82	1.48	4.55	18.34	4.65

1. St. Peters Road storm sewer - cost shared with the City of Charlottetown. City reimbursed the Department for sidewalk construction.
2. Agricultural Museum access road built with joint funding from Museum & Heritage Foundation.

Related Capital Projects:

1. TCH - Stratford sub-division stormwater management - cost shared with developer.
2. St. Andrews - Improvement to Intersection of Rte 2 and Rte 217.
3. Repaired damaged girder on Oak Drive Underpass, Charlottetown.
4. Cornwall - Improve stormwater management on MacKinley Crescent.
5. Rice Point - Improve right- of-way
6. Acquired land for future Cornwall bypass.
7. Malpeque Rd. - Improve sight distance at intersection of Rte 2 and Rte 264 in Fredericton.

Western Region- Highways & Bridges

	Km's	Grade	Gravel Base	Asphalt RAP	Asphalt Leveling	Asphalt Base	Asphalt Seal	Reconstruction
Rte 2, Decker Rd Int, S'side[2]	0.40	0.40	0.40	0.0	0.0	0.40	0.40	0.0
Rte 2, New Annan[1]	2.80	0.80	0.80	0.0	2.00	0.80	2.80	0.0
Rte 2, Northam[2]	3.00	1.00	1.00	0.0	3.00	0.0	3.00	0.0
Rte 2, Rosebank[2]	0.70	0.70	0.70	0.0	0.0	0.70	0.70	0.0
Rte 2, Tignish[1]	2.50	0.0	0.0	0.0	2.50	0.0	2.50	0.0
Rte 10, Green Rd, Central Bedeque	2.20	2.20	2.20	0.0	0.0	2.20	2.20	0.0
Rte 11, Enmore Rd	2.30	0.0	0.0	0.0	2.30	0.0	2.30	0.0
Rte 11, Linkletter Rd	1.70	0.0	0.0	0.0	1.70	0.0	1.70	0.0
Rte 12, North Cape	0.50	0.50	0.05	0.0	0.0	0.50	0.50	0.40 - n. p.
Rte 124, Wellington Storm Sewer[3]	0.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rte 128, Harmony Line Rd	1.50	0.75	0.75	0.0	0.75	0.75	1.50	0.0
Rte 142, Springfield West	2.00	0.0	0.0	0.0	2.00	0.0	2.00	0.0
Rte 148, Brockton	2.10	1.50	1.50	0.0	0.60	1.50	2.10	1.50 - n. p.
Rte 159, Peters Rd	1.06	0.0	0.0	1.06	0.0	0.0	1.06	0.0
RI 11010, Judes Pt	0.20	0.0	0.0	0.0	0.0	0.0	0.20	0.0
RI 11074, Haywood Road	0.20	0.0	0.0	0.20	0.0	0.0	0.0	0.0
RI 11117, Doyle Rd	0.40	0.40	0.40	0.40	0.0	0.0	0.40	0.40 - n. p.
RI 31009, Reeves Rd, Miscouche	1.30	1.30	1.30	1.30	0.0	0.0	0.0	1.30 - n. p.
RI 41033, Train Stn Rd, Albany	0.60	0.60	0.60	0.0	0.0	0.0	0.0	0.0
Bloomfield Industrial Park	0.30	0.30	0.0	0.0	0.0	0.30	0.30	0.30 - n. p.

West Point Park	0.60	0.60	0.60	0.0	0.0	0.60	0.60	0.60 - n. p.
Totals	**26.76**	**11.05**	**10.75**	**2.96**	**14.85**	**7.75**	**24.26**	**4.50**
Provincial Totals	**65.22**	**23.36**	**19.49**	**21.46**	**17.93**	**17.96**	**54.86**	**14.11**

Notes:

1 Widened shoulders
2 Widened shoulders and added additional lane
3 Installed storm sewer to improve drainage

Central Region - Sub-Divisions

Sub-Division Name	Street Name	Length (kms)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
Muttart - Cornwall	Heatherway Drive	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Primrose - Cornwall	Osprey Drive	0.92	0.0	0.0	0.0	0.92	0.0	0.0
	Primrose Drive	0.79	0.0	0.0	0.0	0.79	0.0	0.0
	Waterview Dr	0.61	0.0	0.0	0.0	0.61	0.0	0.0
Mac's Landing - Stanhope	Mac's Lane	0.1	0.0	0.0	0.0	0.1	0.0	0.1
	Joyce's Lane	0.19	0.0	0.0	0.0	0.19	0.0	0.19
Pondside - Stratford	Mitchell Drive	0.12	0.12	0.12	0.12	0.12	0.0	0.12
	Emmalee Dr	0.13	0.13	0.13	0.13	0.13	0.0	0.13
	Hatheway Dr	0.37	0.37	0.37	0.37	0.37	0.0	0.37
	Creekside Dr	0.57	0.57	0.57	0.57	0.57	0.0	0.57
	MacBeth Ct	0.13	0.13	0.13	0.13	0.13	0.0	0.13
Kingswood - Kingston	Kingswood Ln	0.25	0.25	0.25	0.25	0.25	0.0	0.25
Rix - Stratford	Mullaghmore Dr	0.1	0.1	0.1	0.1	0.1	0.0	0.08
	Radcliffe Dr	0.1	0.1	0.1	0.1	0.1	0.0	0.08
Donald Allan - Clyde River	Alexander Dr.	1.1	1.1	1.1	1.1	1.1	0.0	1.1
	MacNeill Ave	0.1	0.1	0.1	0.1	0.1	0.0	0.1
Wal-Dale - Mt. Herbert	Waldale Dr	0.23	0.23	0.23	0.23	0.23	0.0	0.23
Zakem - Stratford	Brandy Lane	0.33	0.33	0.33	0.33	0.33	0.0	0.33
	Fairfax Drive	0.1	0.1	0.1	0.1	0.1	0.0	0.06
Totals		**6.26**	**3.65**	**3.65**	**3.65**	**6.26**	**0.026**	**3.94**

Western Region - Sub-Divisions

Sub-Division Name	Street Name	Length (kms)	Grade	Gravel	Base	Seal	To be Sealed	New Pavement
Steeple View Heights - Miscouche	Antoinette Dr.	0.1	0.0	0.0	0.0	0.1	0.0	0.0
	MacMillan Dr	0.3	0.0	0.0	0.0	0.3	0.0	0.0
Totals		**0.4**	**0.0**	**0.0**	**0.0**	**0.4**	**0.0**	**0.0**

DESIGN SECTION

The Design Section provided detailed design, drawings or alignments for 30 highway related projects during the year. All incoming electronic survey data provided by the Department's Survey Section were reduced and verified for accuracy prior to preparing further design work.

Detailed design work was carried out for the following highway construction projects:

Route Number	Area of Design Work Done
Route 1 - Trans Canada Highway	-Riverside Drive - Murchison Lane Extension -Pinette Bridge Approaches -North Tryon Slopes
Route 1A	-Read's Corner Intersection, Summerside -Stratford Road
Route 2	-Souris West -APM Development, Malpeque Road
Route 3	-Pooles Corner to Georgetown
Route 4	-Murray River Storm Sewer -Poole's Corner to Seven Mile Road
Route 6	-Clinton Intersection, Rte's 6 & 107
Route 11	-Linkletter -Enmore
Route 19A	-Long Creek Intersection, Routes 9 and 19A
Route 148	-Trainor Road (Roseville)
Route 152	-Miminegash
City of Charlottetown	-Peter Pan Intersection

BRIDGES

The following is a list of bridge work carried out by the Department during the year:

Bridge	Work Completed
Rte 2, Morell Bridge, Morell	-Investigation
Rte 2, Midgell Bridge, Midgell	-Detailed design (by others)
Rte 109, Scales Pond Arches	-Investigation/Preliminary Design

Bridge Maintenance

The Bridge Maintenance Section is responsible for the ongoing maintenance of approximately 1,300 structures across Prince Edward Island. There are several types of structures within the bridge inventory:

- Multi Plated Steel Arches
- Timber Boxes
- Concrete Bridge/Timber Extensions
- Sectional Concrete Boxes
- Steel Sheet Piling Bridges
- Timber Pile Bridges
- Steel Pile Bridges
- Corrugated Steel Pipes
- Timber Crib Bridges
- Timber Catch Basins
- Timber Driveway Boxes
- Concrete Span Bridges
- Steel Span Bridges

The objective of this Section is to provide a comprehensive program of bridge inspection, evaluation and maintenance that serves the needs of the Department and the Province. Bridge Maintenance is comprised of several components.

- Structural Inspection Crew. The crew operates on a 3 year schedule rotating between the three Counties, inspecting approximately 400-500 structures each season.
- Bridge Yard Inventory Crew. Responsible for inventory control for the materials being sent to the various projects across the Island.
- Boom Truck. Responsible for transporting the construction materials to the Maintenance crews.
- Construction Crews. Five crews are responsible for the yearly maintenance work carried out by the Bridge Section.
- Administrative Staff
- Bridge Management. Duties include overseeing and organizing the schedules of the Bridge Maintenance Staff.

In addition to the goals of ensuring the integrity of structures, the Bridge Maintenance Section assists other agencies in achieving their objectives by improving fish passages by installing baffles within structures, protection of stream banks by the placement of gabion baskets and the creation of fish habitat by installing natural bottoms in some of the structures.

MATERIALS AND SOILS SECTION

Asphalt

A total of eight plants were engaged by 5 contractors in the production of asphaltic concrete. All of the mix was produced from drum mix plants. A total of 228,026 tonnes of asphaltic concrete was produced during the season. This included binder course, surface course, levelling course and maintenance mixes. A new surface course made with aggregate having a 12.5mm maximum size was used on four contracts with positive results. A price adjusted, end result specification was applied to hot mix compaction on specified contracts. In order to evaluate problems with segregation in the surface course, tests were carried out on three contracts to determine the effect of using different methods of loading trucks.

Daily inspection was carried out at each of the eight plants to control the quality of the mix produced. A total of 707 asphalt mix samples were collected and analysed for compliance with Department Specifications. This resulted in a testing frequency of one test for every 323 tonnes of asphalt mix produced. A total of 612 cores were removed from the contracts to determine compliance with compaction and thickness requirements.

The use of local aggregates was limited to blend sands. The type and amount of testing carried out to ensure the quality of the aggregates is noted below.

Type of Test	No. of Tests
Sieve Analysis	773
Specific Gravity	104
Soundness	22
Abrasion	10
Petrographic Number	10
Crush Count	10
Sand Equivalent	11
Flat & Elongated Particles	10
Micor-Deval	21

In addition, 16 Marshall and Superpave mix designs were carried out to determine aggregate proportions and optimum asphalt cement contents.

Asphalt cement specification compliance testing was performed on performance grade 58-28 asphalt cement. A total of 86 samples were taken.

Type of Test	No. of Tests
Specific Gravity	39
Kinematic Viscosity	19
Penetration	26

Soils and Granular

Soils testing dealt mainly with granular base course and select borrow. Tests carried out on these materials included sieve analysis, moisture-density relationship, specific gravity, and degree of compaction. A total of 622 samples were processed during the year.

Type of Test	No. of Tests
Sieve Analysis	622
Moisture Density	37
Compaction	2,084
Specific Gravity	15

Ice Control

Materials Lab staff provided inspection and testing services for the production of winter sand used by the Maintenance Division for ice control. The services included calibration of sand blenders, on-site monitoring and production sampling from both the blenders and from stockpiles. A total of 522 samples were processed for gradation testing.

Subsurface Investigation

The continued use of the Lab's mobile drilling unit permitted comprehensive subgrade investigations to be carried out. A total of 762 samples were obtained from 29 different projects. Gradation analysis and in situ moisture contents were determined for all samples. In addition, 64 Atterberg limit tests, 61 hydrometer analysis and 110 organic indicator tests were performed.

Concrete

Testing and inspection services were provided for the following projects:

Campbell's Mill Road Structure Replacement
Pinette Sluiceway Replacement
Hermanville Structure Replacement
Lower Montague Structure Replacement
Williams Lake Structure Replacement
Princess Drive (Montague)
St. Peter's Road (Rte 2)
St. Peter's Bay East
Stratford (TCH)

A total of 176 concrete test cylinders were tested for compressive strength. In addition, 185 slump tests and 187 air content tests were performed.

Benkelman Beam

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

Profilograph

The California Profilograph was utilized to determine smoothness on a number of contracts where surface course hot mix had been applied. A price adjusted smoothness specification was implemented on selected contracts.

TRAFFIC OPERATIONS - EASTERN/CENTRAL REGIONS

Highway Signage

Installation and maintenance of highway signs was carried out by one full-time sign crew based out of Souris, and two full-time and one part time sign crews based out of Charlottetown. In addition to highway signs, the crews were responsible for the installation and maintenance of the Highway Information Signage System (HISS), 911 signage, signing detours and some construction signage. Instances of isolated vandalism and theft of signs continued to be a problem

Highway Information Signs

Administration of the Highway Information Signage System was carried out by the Department of Economic Development and Tourism. Sign orders were passed on to the Provincial Sign Shop in Tignish and after manufacture, were installed by the regional sign crews. There were 81 new signs manufactured for new clients and 97 signs that were damaged or faded were replaced. There were 75 signs removed for clients who are no longer in the program. There were 420 old sign blanks chemically stripped for re-use.

Highway Marking

Centerline marking was applied to approximately 1,200 kms of existing highway by the centerline striping machine based out of Charlottetown. In addition, 52 kilometres of new construction was pre-marked and painted. Shoulder and lane lines were applied to 162 kilometres of arterial highway. Edge lines were painted on approximately 36 kms. of arterial highway and 80 kilometres of collector highways.

Intersections in the region were re-painted by the intersection marking crews, based out of Kings and Queens Counties.

Highway Lighting

Maintenance of highway lighting was carried out by Stewart Electric in Queens Count, and by Foster Campbell Electric Ltd. in Kings County.

Area lighting in the region was improved by adding three180-watt Low, Pressure Sodium lights on Route 1A in Pownal. One LPS light was added to the intersection of Routes 207 and 208 in Belfast.

In an effort to conserve energy, thermostats were lowered in all traffic signal cabinets. Also, existing red signal head sections were replaced with LED sections at 4 intersections in order to save energy. The traffic signals at the intersection of the Trans Canada Highway and Route 248 (York Point Road), were upgraded to 8 phase operation. Flashing beacons and lighted barricades were used for detours and in advance of some major highway construction projects.

Access Control

Applications for Entrance Way Permits on Arterial and Seasonal Highways were processed, as well as stopping sight distance assessments for new dwellings and commercial operations. Fees were collected for installation of new entrance ways for new dwellings and agricultural use.

TRAFFIC OPERATIONS - WESTERN REGION

Highway Signage

One full-time and one part-time sign crew erected and maintained signage throughout the region. This included directional signage ,community signs, scenic route signs ,street name signs, warning signs, 911 road name signs and regulatory signs. In addition, crews continued to erect and maintain detours for highway construction sites. The sign crews continue to erect, maintain and remove the H.I.S.S. standards and signs.

Highway Marking

Centerline and shoulder line marking was applied by the striping truck. Centerline marking was applied to approximately 800 km of existing highway, 30 km of asphalt resurfacing, and 25 km of new construction. Shoulder lines (or edge lines) were painted on approximately 140 km of highway. Intersection marking was applied by the intersection marking crew based in Summerside.

Highway Lighting

Highway Lighting was maintained under two maintenance contracts: Prince Country was maintained by Don MacLeod Electric, and the Albany Interchange plus the Borden-Carleton Scale House was maintained by Waite Electric. Maintenance of traffic signals, flashing beacons, and other lighting was carried out as required..

The signals at the intersection of Route 2 and Slemon Park Road were upgraded with eight- phase operation and LED traffic signal displays. Two new Low Pressure Sodium (LPS) illumination were installed at Route 107 and Route 120, and one at the intersection of MacMurdo Road and the Wilmot Valley Road. As part of highway reconstruction, new LPS lights were installed at:
Route 2 and the Old Summerside Road (2)
Route 2 and Route 110, MacMurdo Road and the Old Station Road (5)
Route 2 and Cavendish Farms (8)
Route 2 and Route 106, Clermont Road (2)

Route 2 and Route 130, Richards Road (2)
Route 2 and the MacArthur Road (1)
Route 2 and Christopher Road (1)
Route 2 and Route 158, Harper Road (2)

Access Control

Under the *Roads Act* Arterial Regulations, forty applications were reviewed from the Western Region. Access reviews continued on lower class roads with forty-five locations being examined for safety purposes. Access controls for subdivisions, or building permits were reviewed at approximately 110 locations. The Section is also responsible for the collection of fees for entrance-way installations.

Highway Lighting Maintenance - Schedule of Tenders

Prince County - Various Locations

Opened March 13, 2003

Don MacLeod Electric	$13,696.00
Waite Electric	$14,617.00

Awarded to Don MacLeod Electric

Queens County - Various Locations

Opened March 13, 2003

Chas M Stewart Inc.	$16,537.00
Don MacLeod Electric	$16,750.00

Awarded to Chas M Stewart Inc.

Kings County - Various Locations

Opened March 13, 2003

Foster Campbell Electric	$ 6,078.00

Awarded to Foster Campbell Electric

Hillsborough Bridge

Opened March 13, 2003

Chas M Stewart Inc.	$ 6,750.00

Awarded to Chas M Stewart Inc.

Albany Interchange and Borden Scale House

Opened March 13, 2003

Waite Electric	$ 5,637.00

Awarded to Waite Electric

PROVINCIAL SIGN SHOP

The Sign Shop continued to produce signs, primarily for the provincial highway network. However, signs were also produced to comply with other government requests when resources permit.

A new computerized Summacut D60 Vinyl Cutter/Plotter was purchased during the year. High speed internet connection was also installed. A Local Area Network (LAN) is planned for the computers in the Sign Shop to improve the sign production process.

The following is a breakdown of signs produced.

Guide & Information Signs	**Western**	**Central**	**Eastern**	**Total**
Directional	53	72	97	222
Public Road names - 911	217	87	230	534
Private Road names - 911	27	49	41	117
Street Signs - 911	62	128	59	249
Community Signs	53	45	46	144
Route Signs	100	116	115	331
HISS	57	55	46	158
Total	569	552	634	1755

	Western	**Central/Eastern**	**Total**
Standard Signs			
Regulatory and warning	1372	2344	3716
Construction	342	797	1139
Total	1714	3141	4855
Non-standard Signs for T&PW			
Special signs	27		
Guiderail Delineators	810		
Government Garages	122		
Public Works Name Plates	178		
Public Works other signs	95		
Total	1232		
Signs invoiced to Others			
Other departments	615		
Public Works Division	346		
Rails to Trails	72		
Rails to Trails delineators	492		
Municipalities	169		
Construction Companies	358		
Silkscreen Companies	2		
Total	2054		
Summary			
Guide & Information Signs	1755		
Standard Signs	4855		
Non-standard Signs for T&PW	1232		
Signs invoiced to Others	2054		
Grand Total	9896		

PAVEMENT MANAGEMENT SYSTEM

The Pavement Management Section is responsible for a number of data collection and analysis systems for the Department. The Section manages the ITMS (Integrated Traffic Monitoring System), the WIM (Weigh-In-Motion information system), and the PCMS (Pavement Condition Monitoring System). Data collection and site maintenance for the SHRP (Strategic Highway Research Project) asphalt research projects.

Pavement Condition Monitoring System - PCMS

Pavement condition data was collected for approximately 900km of the provincial highway network, along with all the arterial highways and most of the collector highways. Road attribute data along with the asphalt condition data were collected in the fall and loaded to the database for analysis. The information was used as a primary input for capital construction programming.

Weigh In Motion System - WIM

The Weigh-In-Motion system continued collecting vehicle weight, speed and classification data at 5 monitoring sites on arterial highways. The WIM collects and stores this data for each passing vehicle. Data editing, entry and initial quality control was improved with the addition of a new technician. The 5 WIM sites in-asphalt sensors were calibrated this year. This supports the WIM computing system which does it's own internal systems calibration of the highway weight sensors on a weekly basis.

Maintenance was carried out at the Middleton Route 1A WIM installation. Significant asphalt breakup at this location required milling each lane to a depth of 100mm for 110 metres in advance of the site and laying new asphalt. The weight, axle and vehicle sensors were then reinstalled in each lane.

Strategic Highway Research Projects - SHRP

The department participates in C-SHRP (Canadian - Strategic Highway Research Project), as well as the US-SHRP (United States - Strategic Highway Research Project) - both being parts of TAC's Long Term Pavement Performance Study (LTPP) research projects. This project is in it's thirteenth year of it's planned fifteen year study design. Pavement roughness measurements were collected. This data and results of Benkelman Beam tests and ITMS truck traffic data were compiled and sent to the national committee.

Integrated Traffic Monitoring System

Data from 12 permanent count sites and 125 temporary count sites is collected and analyzed throughout the year. Data from 43 sites where vehicle classification is carried out 6 days annually, 5 continuous Weigh In Motion sites and varying numbers of turning movement surveys at intersections is compiled with the count data to feed the ITMS information system and create a master traffic profile for all provincially numbered highways annually . The section recalibrated the integration processes which deal with the various *types* of data being loaded and the subsequent populating of the complete provincially numbered network with statistically sound traffic information.

The Intersection Turning Movement Count program was improved by having the same four trained staff return for the summer season. This manual traffic survey is carried out for 10 hrs a day, 4 days a week at intersections where there may be design changes or safety concerns. The field data is keyed to ITMS, stored and available for analysis as an intersection (or other traffic facility) design tool. The Department has been carrying out this type of traffic survey since the early 1970s. Working in two person and sometimes four person crews almost 80 intersections were surveyed.

The Section investigated *automated intersection turning movement data collection technology*. The purpose was to research existing technology that would "portably" monitor traffic turning movements at intersections and produce data comparable to the manual data . Two key benefits associated with such equipment is the ability to collect data during inclement weather, during the night and or for longer continuous intervals such as 24 hours or for a weekend. These types of data are not presently available for intersection turning movement counts.

An internet and literature search identified video monitoring as the only product and process available. Post viewing (manually) of the video was required to extract any traffic data from the video. No software / technology was found capable of automatically detecting the traffic and recording it in any form, from the stored video imagery. The investigation was concluded with one company having camera technology that "might" view the complete intersection with one or two cameras from a portable tower on a wheeled trailer. It was felt that the costs and the requirement of still needing manual viewing of the stored video for data extraction made the technology more expensive than the benefits gained.

Provincial Highway Traffic Growth

The table below shows *permanent* count sites and their respective 2002 and 2003 Annual Average Daily Traffic (AADT) - two way traffic for an average 24-hour day of the year. Only these sites which monitor traffic all year long - barring machine failure, are used to calculate the *provincial traffic growth rate*. The provincial traffic growth rate for 2003 shows an increase of + 1.3 %, based on the previous year.

Annual Average Daily Traffic Table

	Annual Average Daily		
	Traffic - AADT		**Annual**
Monitoring Sites	**2002**	**2003**	**% Change**
Tryon	4,397	4,411	0.3
North River	21,299	21,474	0.8
Hillsborough Bridge	30,065	31,528	4.9
Cherry Valley	7,005	6,756	-3.6
Marie	2,653	2,626	-1.0
Pleasant Valley	4,910	5,007	2.0
Richmond	5,136	5,235	1.9
Cavendish	1,846	1,873	1.5
Milton	1,805	1,937	7.3
O'Leary	1,537	1,532	-0.3
Confederation Bridge	4,244	4,230	-0.3
Albany	4,059	4,149	2.2
Average annual percent % change			**+1.3 %**

MAPPING AND GEOGRAPHIC INFORMATION SYSTEM in TRANSPORTATION (GIS-T)

Extensive work was involved in compiling the Highway Inventory data that was field collected in 2002 using GPS. Supplemental information was added to the data and a series of formatting and validation processes were completed. The final output consisted of three reports containing over 1000 pages of highway inventory data for all Provincial highways, maintenance roads and town/village streets.

The first release of the National Road Network for Prince Edward Island (PEINRN) was reviewed and was found to have numerous omissions and inaccuracies when compared to the new Highway Inventory and other data sources. These areas were identified, corrected and/or GPS field mapped; updates were then sent to Natural Resources Canada to be incorporated into the second release of the PEINRN.

The 2003-2007 Snow Removal and Sanding contract and government route maps were prepared using the PEINRN as a base. Considerable effort was made preparing a GIS database that accurately identified each road and road portion that received winter maintenance as well as coding information such as contractor, operator, sequence and length for each road on the route. Approximately 140 maps were generated showing each snow removal and sanding route.

Maintenance of the Provincial Road Atlas databases and preparation of a new inventory base for the next edition of the Provincial Road Atlas continued. Annual updating of maps for All-Weather Highways, Highway Access Regulations, and maps for tendering records were prepared. A considerable effort was dedicated to preparing maps for Elections PEI and for School Board Elections.

CHIEF SURVEYOR

This Section provides counsel on legal and technical aspects related to land surveying, and maintains a close working relationship with the Properties, Highways, Building Design and Construction Sections. Expertise and services are also provided to other Government divisions including Forestry, Fish and Wildlife, Legal and Judicial Services, Parks, and School Boards, as well as community groups and the greater legal, engineering, and land surveying community throughout the province. The following are the essential functions of the Section:

- provide timely, comprehensive and efficient land and engineering surveying services on public roads and provincial lands;
- provide counsel and regulate surveys completed under the *Condominium Act, Natural Gas Act* or *Mineral Resources Act;*
- collect evidence and provide counsel on the legal nature (public or private) of particular roads, rights-of-way and public easements in the Province;
- maintain and manage the provincial control survey networks and provide technical assistance to various GPS/GIS users on the provincial datum and mapping plane;
- maintain a library of documentary evidence and case law related to land tenure and surveying in Prince Edward Island and other provinces;
- Coordinate survey training sessions and develop standards for engineering and legal surveying crews within the Department, as well as coordinate and implement quality control standards for the collection of engineering surveying data to ensure accuracy and reliance sufficient to exceed high engineering design standards, and;
- provide a mechanism for the equitable resolution of boundary uncertainties.

Staff of the Section consists of the chief surveyor, senior survey technician, survey/research technician, research technician, two survey crews consisting of a crew chief and two technicians. All staff is specially trained in the collection of boundary evidence and common law concepts related to land surveying.

Boundary and engineering surveys were carried out on various government projects. Some notable highway survey projects included Reid's Corner, Pinette, Mason Road, Route 4 Albion Cross, Route 2 East Royalty, Riverside Drive, University Avenue Charlottetown. Other legal and topographic surveys included Montague High, Glen Stewart Elementary, Souris High, EISI effluent force mains at Borden Carleton and Mill River, Borden-Carleton Meat Plant, as well as other provincial properties and initiatives.

Condominium development appears to be witnessing growth as experienced in other parts of the country. This year alone, two condominium proposals were reviewed and approved and a few other development proposals are on the horizon.

Due to budgetary restraints, no new survey monument stations were measured during this fiscal year. Approximately 80 new stations in the network remain to be observed and adjusted and it is anticipated this work will be completed during the next year.

Disputed public roads continue to consume a major portion of our resources. Often at issue are shore access roads barred from public use by an adjacent land owner. Discovering evidence to substantiate a public road requires significant resources. Appearances as an expert witness are made as required at various judicial proceedings where the tenure of individual roads are at issue. This year, a particular road in Indian River was the subject of a judicial proceeding in which our findings were upheld by the Supreme Court.

This Section continued its studies of various boundary dispute resolution mechanisms across Canada in hopes of proposing legislative changes to strengthen existing sections of the *Land Survey Act* and expand on a process for the equitable resolution of boundary uncertainties. Two uncertain or disputed boundaries have been referred to the Section for a determination. These two cases are on hold pending proposed legislative changes.

OCCUPATIONAL HEALTH & SAFETY

The Education and Training programs within the Department continue to expand to help the employees avoid accidents and workplace injuries. New training programs have been developed and delivered in the following areas:

- Traffic Control Person
- Traffic Control Manager
- Cold Stress
- Field Level Risk Assessment

Other programs continue to be delivered to new staff and also as "refresher" sessions for current staff and returning seasonal staff.

- Basic Safety Training and Awareness
- Job Hazard Analysis
- Supervisory Skills & Responsibilities
- Temporary Workplace Traffic Control
- Workplace Inspections
- Heavy Equipment Operations and Safety
- Due Diligence
- WHMIS
- Heat Stress
- Health & Safety Committees
- Young Worker Safety

Over 900 employees, young workers and other Department staff received continuing education in various aspects of workplace health and safety during the year. In addition, a number of personnel contributed to the development of improved safe work practices and job procedures.

All traffic control persons employed by the Department are now required to wear reflective armbands. This increases visibility of the worker and provides the motoring public earlier warning of workers in the right-of-way. Additional high visibility CSA Class II vests and work suits for winter operations were purchased and used by maintenance and construction staff. Also, all Temporary Workplace signs indicating people working use two red/florescent flags on top to increase awareness for motorists.

Upgrades to various equipment and procedures at the Government garages, combined with increased workplace inspections of all work areas have improved indoor air quality, reduced noise levels and intensity, and have made the workplace and the storage yards safer.

The Joint Occupational Health and Safety Committee members across the Department continue to have a tremendous, positive impact in improving safety in the workplace. The accomplishments include measures to reduce back injuries.

These investments in Personal Protective Equipment (PPE), workplace inspections, and equipment upgrades, and the commitment and dedication of all staff, are ensuring a healthy, safe place to work. In fact, the number of injuries has dropped significantly in the last four years. The costs associated with lost time injuries has dropped by over 78% since 1999. The progress has been significant and with continued dedication and commitment the goal of zero injuries is very much within reach.

HIGHWAY MAINTENANCE DIVISION

General

The Highway Maintenance Division provides a full range of operations and maintenance services on the entire provincial highway system. The Division is organized by function into the following sections and work units:

- Provincial Headquarters
  - Central management functions, program development, budgeting, inventory control, bulk purchasing, contracts preparation.
  - Technical services relating to standardized policy and procedure for work crews, as well as staff training and development.
- Highway Maintenance - Eastern, Central and Western Regional Operations
  - Maintenance and superintendence of all provincially owned roads across the Province.
  - Services include: pavement surface maintenance, roadside maintenance, drainage and storm water, unpaved roads, dust control, snow and ice control. Maintenance of bridges, signage, pavement marking and traffic control devices is provided by other divisions of the Department.
- Mechanical Branch - Eastern, Central and Western Regional Facilities
  - Supply, maintenance and general management of a large fleet of heavy equipment and light vehicles used directly to execute the work programs delivered by the respective county operations.
  - Provision of skilled operators and equipment operations.
- Confederation Trail Maintenance
  - Maintenance and superintendence of all maintenance carried out on 360km of the former CN rail corridor (Confederation Trail).
  - Services include: vegetation control, culvert replacements and repairs, Ditching, surface maintenance, shoreline protection and grass cutting. Maintenance of bridges and signage is provided by other divisions of the Department.

Corrugated Steel Pipe

The value of corrugated steel pipe purchased by the department for its maintenance projects during the season is as follows:

Plants	Value
Maritime Steel	$329,114.19
Campbells Concrete	$69,664.76
Atlantic Hy-Span	$103,858.08
Total	**$502,637.03**

Maritime Steel, Campbells Concrete, and Atlantic Hy-span agreed to supply corrugated steel pipe under the current conditions of the tenders negotiated from 2000. The following was purchased by the Highway Maintenance Division in during the year

Diameter	Queens	Prince	Kings	Totals
300 MM	192	336	145	673
400 MM	550	424	652	1,626
450 MM	268	1,650	56	1,974
500 MM	360	3,873	1,397	5,630
600 MM	1,368	5,007	2,168	8,543
750 MM	30	962	145	1,137
800 MM	50	556	185	791
900 MM	20	372	40	432
1200 MM	142	76	60	278
Total FT.	**2,980**	**13,256**	**4,848**	**21,084**

Used Corrugated Steel Pipe
The Division continues to follow the policy developed for re-using culvert to bridge various wood lots, farms and private home entrance ways. With the use of polyethylene pipe and the City of Charlottetown doing their own work, the availability of used pipe in acceptable condition for resale or re-use is becoming limited.

Polyethylene Drainage Pipe
During the year, the Division tendered and purchased polyethylene drainage pipe which was installed in various locations throughout the Province. The Division continues to monitor these installations to determine the feasibility of using this product. The Division is now into its fourth year of using polyethylene pipe and all reports indicate the product is extremely favourable based on cost, ease of handling and durability.

Vendor	Value
Campbells Concrete	$237,797.41
Maritime Steel	$2,441.87
Armtec Ltd.	$180,930.15
Total	**$421,169.43**

The following was installed by the Highway Maintenance Division, the Capital Projects Division and the City of Charlottetown.

Diameter	Queens	City	Prince	Kings	Total
300 MM Poly	4,121	220	898	456	**5,695**
375 MM Poly	7,064	811	1,119	1,898	**10,892**

450 MM Poly	6,225	480	2,706	3,507	**12,918**
600 MM Poly	1,754	40	454	1,222	**3,470**
750 MM Poly	715	100	0	141	**956**
900 MM Poly	726	0	0	117	**843**
Totals	**20,605**	**1,651**	**5,177**	**7,341**	**34,774**

During the year, the Division undertook the following installations of new and replacement culverts:

County	New Installations	Replacements
Kings	86	662
Queens	188	1,427
Prince	92	851

During the year, the City of Charlottetown purchased $14,663.92 worth of polyethylene pipe from Department inventory.

Hydro Seeding Report

The Division's hydro seeding crew operated for a number of years on a cost recovery basis. On a trial basis during the year, it was decided that the Division would discontinue providing this service and have hydro seeding carried out as a private contract service.

Crack Filling

This is a process whereby a hot rubberized asphaltic compound is used to fill random cracks in the paved highway system in order to prevent water from entering into the substructure.

The Division reintroduced the crack filling program in the Central region during the year on a limited basis. The region routed and sealed approximately 9,579 metres of cracks, with a total of 17 barrels of sealant and 42.5 forty-pound bags of lime being used.

Technical Services

During the year, the Technical Services Section continued to provide required training programs and develop standardized work procedures for the benefit of front-line maintenance staff. Most training has been in-house, utilizing resident expertise. In selected areas, other provincial Departments have participated (e.g., Forestry Division) and outside agencies including Red Cross instructors.

Subject matter was not limited to but included:

- Occupational Health & Safety Regulations
- First Aid & CPR
- Work Zone Safety
- W H I M I S
- Employee Orientation
- Winter Operations Orientations
    - Operators
    - Road Patrol
    - Dispatch
- Highway Maintenance Procedures & Policies

- Asphalt Patching Workshops
- Crane Training
- Management and Supervisory training
- Fork Lift Training
- Chain Saw Operation Certification
- Confined Space Training

In excess of 1000 employees received training ranging from one half day workshops to one-week sessions. These sessions resulted in an increase in productivity and a higher level of performance. An increased awareness of *Occupational Health and Safety Act* issues improved on-site safety.

EASTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. A total of 30,980 tonnes was used by the Branch for repairing the Province's paved road network and was financed from the pavement maintenance budget. Hand patching crews spread 4,136 tonnes. The spreader crew re-surfaced 24 kilometres of badly distressed pavement with 16,281 tonnes of asphalt. Private contractors supplied/placed 7,008 tonnes of asphalt over 10.1 kms. LeeBoy Spreader supplied/placed 608 tonnes of asphalt over 2.5 kms of roadway, and deep patching crews jack hammered out some severely damaged sections and repaired them with approximately 1,845 tonnes.

The following is the tonnage of asphalt acquired from each firm:

Suppliers	**Tonnes**
Matheson & MacMillan	8816.16
Chapman Bros. Construction	***21,052.35***
Pauley's (#17)	***1111.76***
Total	**30,980.27**

Resurfacing

The following roads were resurfaced with a 50 mm lift of asphalt using Department owned equipment and personnel:

Zone 1

Road Name	**Kilometers**
Ripper Road	0.51
Souris River Road	***0.50***
Total	**1.01**

Zone 2

Road Name	**Kilometers**
Howe Point	0.94
Fortune (additional)	1.01
Howe Bay (additional)	0.60
Total	**2.55**

Zone 3

Road Name	Kilometers
Riverton (Rte. 335)	1.02
Dundas (Rte. 310)	1.28
Launching (Rte. 311)	0.90
Head of Montague (Rte. 354)	0.70
Strathcona (Rte. 312)	0.71
Burnt Point	0.65
New Perth Trailer Pk. Rd.	0.58
Union	1.00
Seal River	1.06
Little Pond	0.30
Bangor	0.19
Seven Mile	0.18
Georgetown Road	0.41
Total	**8.98**

Zone 4

Road Name	Kilometers
Robertson (Rte. 319)	1.00
Albion (Rte. 017)	1.53
Whim (Rte. 316)	1.96
French Creek	0.31
Total	**4.80**

Zone 5

Road Name	Kilometers
Abney	1.06
Pt. Pleasant (Rte. 017)	1.01
Peters (Rte. 324)	1.12
St. Mary's East (Rte. 318)	1.27
Rte. 017A	1.00
McCarron	0.95
Total	**6.41**

The following roads were resurfaced by private contractors through supply and place contracts:

Zone 1

Road Name	Contractor	Kms
Baltic (Rte. 302)	Chapman Bros.	0.90
Lakeville	Chapman Bros.	1.01
Kingsboro (Rte. 016)	Chapman Bros.	1.60
Basin Head (Rte. 016)	Chapman Bros.	0.60
New Zealand (Rte. 306)	Chapman Bros.	0.92
	Total Kms	**5.03**

Zone 2

Road Name	Contractor	Kms
St. Patricks	Chapman Bros.	0.78
Morell East	Chapman Bros.	1.00
Goose River/Cable Head (Rte. 016)	Chapman Bros.	2.01
Church Road	Chapman Bros.	1.31
	Total Kms	**5.10**

Total number of kilometres resurfaced in the Eastern Region: 33.88

Bush Cutting
During the year, three Government mechanical bush cutters cut bushes along the road network, with approximately 397 kilometres cut. The Division hired bush crews for each of the five Zones consisting of a foreman, four labourers, and a half-ton truck followed the mechanical bush cutters to pick up debris and trim where the cutter could not reach. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance
During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

SANDSTONE (m3)	GRAVEL (t)	ROCK (m3)
15,049	10,271	841

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required.

On the paved road network a number of drainage problems were corrected. Equipment used to carry out this work included ditching machines and trucks. New culverts were installed as required.

Culvert Installations
The amount of culvert material installed was as follows:

SIZE	LENGTH
300mm (12") steel	105'
400mm (16") steel	520'
450mm (18") steel	30'
500mm (20") steel	1114'
600mm (24") steel	2093'
800 mm (32") steel	525'
900 mm (36") steel	0
1200 mm (48") steel	60'
300 mm (12) plastic	546'
375 mm (15") plastic	1898'
450 mm (18") plastic	3499'
600 mm (24") plastic	1047'
750 mm (30") plastic	111'
900 mm (36") plastic	117'
750 mm (30") concrete	0

Guardrail and Roadside Maintenance
Three roadside crews were employed within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each Zone.

Grass Cutting
The Division cuts grass on approximately 1540 km of road in the Eastern Region. One private grass cutter equipped with a rotary mower maintains 117.9 kilometres of roadside grass. This contractor was contracted to cut grass from the middle of June until the end of September. In addition, three Department owned farm tractors equipped with rotary mowers and side cutter attachments were utilized for roadside grass cutting on the balance of approximately 1382 kilometres throughout the Eastern Region.

Shoulder Material
During the past year, shoulder material was used to upgrade and repair worn out sections of shoulders.

Dust Control
Maintenance crews used 578 forty-kilogram bags of flaked calcium chloride to control dust in specific locations.

Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 128,500 litres was used to treat 82.4 kilometres of road.

The following tables give location and extent of work done in each Zone for the last fiscal year:

Zone 1 - Eastern Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Graded	Tap Drains	Bush Cutting
Peters					2.30			
Kingsboro	0.02			1.60	0.55			
Bothwell	0.01							
Souris River	0.15			0.55	0.80			
Souris Line				0.25	0.45			
East Point					0.70			
Little Harbour	1.00				0.13			0.10
Rollo Bay					0.20			
Munn's	0.01			0.35	0.13			
Elmira	0.01				0.03			
Priest Pond					0.10			
St. Catherines					0.02			0.20
Big Pond					0.10			
Souris West					0.32			
West Trenholm								0.45
New Zealand				1.35				0.05
John Dan Chaisson			0.04					0.50
Bear River				0.14				0.50
Paddy								1.00
Sutherland								0.10
LaPierre Lane								0.40
East Baltic				0.90				0.05
Fountain Head			0.25					0.05
Anslem MacDonald	0.40							
Bull Creek	0.03							
Harmony/Dunphy	0.01							
North Lake	0.05							
Chepstow	0.05			0.13				
New Harmony	0.10		0.40					
Grant	0.13							
Basin Head	0.02			0.04				

Red Point	1.00							
East Trenholm	0.10		0.34					
Middle Trenholm	0.10							
North Lake	0.05							
Greenvale					0.08			
Manning			0.58					
Kelly		1.50	1.50					
MacDonald			0.05					
Glencorradale			0.16					
Father James			0.31					
Jarvis			0.11					
Johnston River			0.08					
Bothwell Beach			0.14					
Gallant S-D				0.05	0.08			
Lakeville				1.00				
Souris West					0.10			
MacVanes Hill				0.10				
Totals	**3.24**	**1.50**	**3.96**	**6.46**	**6.52**	**0.0**	**0.0**	**3.40**

Zone 2 - Eastern Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Rollo Bay (Rte 002)					0.30		0.30	
Fanningbrook							0.10	
Indian Bridge					0.40	0.50		
Church Rd/Fortune					0.20			0.20
St. Peters (Rte 002)							0.20	
Milburn				0.20	0.20			
Settlement	1.50			1.60	1.50	1.50		
Hermitage	0.20							0.10
Gay Road (Peakes)	0.20		0.20		0.20			0.20
Kenny Rd. (Peakes)	0.20							
Canavoy	1.50			1.50				
Bear Shore		1.00			0.50			0.50
Red House								1.00

Grove Pine								1.50
Cable Head				2.00				0.50
Bristol								0.30
MacLaren/Cable Head								1.00
St. Charles				0.20				0.20
Lutz								0.10
Bangor				0.20				
Cable Head Rd					1.20			
Totals	**3.60**	**1.00**	**0.20**	**6.70**	**4.50**	**2.00**	**0.80**	**5.60**

Zone 3 - Eastern Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Seven Mile				15.50				0.70
Emergson					0.50	0.60		0.30
Newport								0.30
Sloan	0.30				0.30	0.30		0.40
Mosquito Creek 002)	0.30				0.40	0.40		0.40
Perth Station	0.20					0.30		
Jesse MayBelle			0.20		0.20	0.40		0.20
Shepard	0.30	0.30				0.30		
Montague South						0.40		
Elm		0.40	0.40			0.40		
Bruce Point		1.20	1.20		2.40	1.20		
Spry Point					0.30			
Little Pond					0.40			
Milburn			0.50			1.00		
Old Mt. Stewart			0.50			1.00		
Weatherbie					0.30	0.50		
New Road			0.40			0.60		0.20
Trailer Park Road				2.00				
Greenfield	0.30				0.40	1.00		
Town					0.40			
Georgetown Rd				11.00		0.20		0.30

School House			0.30			0.40		
Robertson			0.20			0.30		
Buckskin					0.40	0.40		
Gay		0.40	0.40			0.40		
Old St. Georges		0.40				0.50		
Portage			0.20			0.20		
Springfield		0.10				0.10		
Honeybee Lane		0.20				0.20		
Cumberland Hill				2.00				
Lorne Valley				2.00				
Union				4.00				
Queens				5.00				
Launching				5.00				
48				4.00				
Baldwins				3.00				
Baldwins				2.50				
Totals	**1.70**	**3.30**	**4.50**	**56.00**	**6.30**	**12.00**	**0.00**	**6.00**

Zone 4 - Eastern Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Sturgeon (Rte 017)				2.70	0.16		0.12	0.55
Queen's				0.60	0.12			
Valleyfield				0.10				0.70
Jack Westaway		0.30			0.30	4.50		
Dewar					0.15	1.50		
MacRae						5.70		0.40
Kilmuir					0.03			
Robertson				1.00	0.05	4.80		
Douces (Rte 326)				0.80				
French Creek				0.30				0.05
Heatherdale (Rte 316)				1.30				0.20
Wightman's Pt					0.06			
Whim				2.00				
County Line						8.25		
Loane						5.20		
Dalmaney						4.95		

Dalmaney (South)						1.65		
Nicholson						0.36		
Central St. (Langley Rd)						3.20		
Angus Lane						5.10		
Thornton						6.90		
Campbell						22.20		
Mellish Pond						0.90		
Roma Pt.						8.40		
Compton						2.70		
Commercial				1.05				
Totals	**0.00**	**0.30**	**0.00**	**9.85**	**0.87**	**86.31**	**0.12**	**1.90**

Zone 5 - Eastern Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Graded**	**Tap Drains**	**Bush Cutting**
Shore					0.30			0.50
Clement					0.20			1.00
Cambridge					0.30			
Peters				1.00	0.10			
Milltown Cross				1.00	0.80			
Livingstone		0.20			0.50			
Bruce's					0.50			
Compton					0.50			
Guernsey					0.20			0.20
Panmure Island		0.10			0.60	0.60		0.60
Abney				1.00	0.50	0.50		
Church							0.15	
Munn's		0.20						
St. Mary's				1.00				
McCarron				0.10				
Pt. Pleasant				1.00				
Norman's								0.50
Pembrooke								0.20

Mill								0.50
County Line		0.20			0.10			0.30
Buell		0.20						
Totals	**0.00**	**0.90**	**0.00**	**5.10**	**4.60**	**1.10**	**0.15**	**3.80**
GRAND TOTALS	**8.54**	**7.0**	**8.66**	**84.11**	**33.81**	**101.41**	**0.87**	**20.7**

Note:
1. All measurements in kilometers
2. Bush cutting totals identify work carried out by bush cutting crews only.

EASTERN REGION: WINTER MAINTENANCE

Winter activities in the Eastern Region involved salting, sanding and snow removal. Temporary patching of paved roads, water drainage and washout repairs were also carried out, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, the following was used:

There were 3,886.97 tonnes of salt purchased for salt-only and 50/50 mix for ice control.

The Region purchased 30,390.22 tonnes of blended salt and sand. This blended material consisted of a mixture of six percent salt, 50 percent imported, 1/4" minus stone and 50 percent sand. This material was stored at eight sites throughout the Region.

Ice Control

Ice control on sections of Highway 2, 3, 4 and 16, as well as Souris and Montague main streets, including 142 kilometres of road, were maintained by direct salt application. The remaining approximate 1,041 kilometres were maintained with sand/salt applications involving 16 hired trucks and 7 Department trucks.

No additional blended sand was required to re-charge the winter sand piles during the season.

Snow Control

Total snowfall as recorded by Environment Canada recording station volunteers in the Eastern Region were:

	Recorded (cm)		
Month	**Bangor**	**Kingsboro**	**Alliston**
November '03	0	n/a	0
December '03	79	53.6	36
January '04	86	83.2	66
February '04	134.1	136.4	137
March '04	50	35.6	36.5
April '04	2.3	0.2	0

The heaviest snowfall for the snow removal season in the Eastern Region was recorded on February 19th at the Kingsboro recording station with a total of 61.0 cms of snow.

Snow Fence Report
The Department installed approximately 4,815 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services
This year marked the renewal of the Department's Snow Removal Operations contract with private contractors. The renegotiated contract is in effect from 2003 to 2006.

The following is a breakdown of the contracted snow removal services for the first year of a 3-year contract with private contractors.

Contractor	Kms Plowed
Chapman Bros.	122.25
Francis MacLean	31.3
G & P Trucking	72.15
Kenny MacLeod	109.18
Kings County Construction	88.06
TOTAL	422.94

The Department was responsible for plowing 762.41 kilometres of highway. To this end, 23 plow routes and 4 blower routes were established. The following is a breakdown of the kilometres for which the Department was responsible for plowing:

Eastern Region

Location	Kms.	Graders	Blowers	Loaders	Truck
South Lake	28.9	1			
Bayfield	24.7	1			
St. Charles	33.8				1
Bangor	29.7				1
Forest Hill	34.75				1
Savage Harbour	36.9			1	
Morell	35.6				1
St. Teresas	27.4	1			
Red House	17			1	
Bridgetown	28.3				1
Georgetown	32.2				1
Strathcona	31.9	1			
Cardigan	25.45	1			
Little Pond	29.4	1			
Souris	30.31				1

LOCATION	KMS	GRADERS	BLOWERS	LOADERS	TRUCK
St. Georges	40.8				1
Whim Road	44.55				1
Sturgeon	51.5	1			
Dover	37.1				1
Morell East	22.4				1
Guernsey Cove	38.8	1			1
Murray River	42.65				1
Gaspereaux	38.3				1
St. Peters (village)			1		
Cardigan (village)			1		
Murray River (village)			1		
Souris (town)			1		
Totals	**762.41**	**8**	**4**	**2**	**14**

The Department was also responsible for plowing the streets within the Town of Souris, as well as the Villages of St. Peters, Cardigan and Murray River.

Sanding Operations

Sanding operations were carried out by 16 sanding contractors using Department installed spreaders. In addition, 2 Department trucks were utilized to provide service in areas including the Town of Souris, as well as the villages of St. Peters, Cardigan and Murray River.

CENTRAL REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. A total of 31,852.36 tonnes was used by the Branch for repairing the paved road network and was financed from the pavement maintenance budget. Hand patching crews spread 6,362.81 tonnes. The spreader crew re-surfaced 22.70 kilometres of badly distressed pavement with 20,706.26 tonnes of asphalt. A total of 3,841.71 tonnes were used by private contractors for resurfacing 6.40 kilometres. Deep patching crews jack-hammered out some severely damaged sections and repaired them with approximately 941.58 tonnes.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
Island Construction	18591.94
Pauley Construction	5839.03
Chapman Bros.	6945.14
Curran & Briggs	476.25
Total	**31852.36**

Resurfacing

The following roads were resurfaced with a 2-inch lift of asphalt using Department equipment and personnel:

Zone 6

Road Name	Kilometers
Iona Roadq	0.8
Newtown Road (East)	1.0
Newtown Road (West)	1.0
MacLellan Road	1.0
Total	**3.8**

Zone 7

Road Name	Kilometers
Orchard Drive	0.47
Elizabeth Crescent	0.24
Dave Drive	0.44
Governor's Lane	0.39
Brown's Drive	0.42
Lantz Drive	0.16
East River Road	0.5
Horton Drive	0.12
Marion Drive	0.3
Clifton Road	0.57
Total	**3.61**

Zone 8

Road Name	Kilometers
Mt. Stewart Main	0.56
Savage Harbour Road	0.6
Monaghan Road	0.6
Mermaid Mini Farms	1.0
Blooming Point	1.0
Anderson Road	1.1
48 Road	1.8
Total	**6.6**

Zone 9

Road Name	Kilometers
Friston Road (South)	1.0
Yorkdale Estates	1.1
Total	**3.76**

Zone 16

Road Name	Kilometers
Alcan Drive	0.51
Barbara Drive	0.1
Hyde Street	0.53
Pleasant Drive	0.37
Susan Drive	0.14
Total	**6.6**

Zone 17

Road Name	Kilometers
County Line	1.0
Holmes Street	0.8
Total	**1.8**

Zone 18

Road Name	Kilometers
Churchill Avenue	1.0
Wigmore Road	1.0
Toronto Road	0.8
Snowie Road	0.7
Campbellton	0.7
Total	**4.2**

The following roads were resurfaced by private Contractors through a supply and place contract:

Zone 16

Road Name	Contractor	Kilometers
Rice Point	Island Construction	1.0
Yorkdale Estates	Island Construction	1.1
	Total Kms	**2.1**

Zone 17

Road Name	Contractor	Kilometers
Desable End	Island Construction	1.0
Canoe Cove End	Island Construction	1.0
Nelson Street	Island Construction	1.0
	Total Kms	**3.0**

Total number of kilometres resurfaced in the Central Region - 29.17 kilometres

Bush Cutting
During the season, 2 Government mechanical bush cutters cut bushes along approximately 575 kilometres of highway. The Department hired bush crews for each of the seven Zones consisting of a foreman, four labourers, and a half-ton truck followed the mechanical bush cutters to pick up debris and trim where the cutter could not reach. The Division also used a mechanical brush chipper to eliminate the need to haul away the slash.

Road Maintenance
During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone (m3)	Gravel (t)	Rock (t)
29429	10222.53	992.2

Sandstone and/or gravel was placed as a new surface material, and new culverts (driveway or cross pipe) were installed as required.

On the paved road network a number of drainage problems were corrected. New culverts were installed as required.

Culvert Installations

The amount of culvert material installed was as follows:

SIZE	LENGTH
300mm (12") steel	192
400mm (16") steel	470
450mm (18") steel	244
500mm (20") steel	360
600mm (24") steel	1096
800 mm (32") steel	30
900 mm (36") steel	50
1200 mm (48") steel	20
300 mm (12) plastic	3894
375 mm (15") plastic	7022
450 mm (18") plastic	6185
600 mm (24") plastic	1754
750 mm (30") plastic	715
900 mm (36") plastic	468
750 mm (30") concrete	0

Guardrail and Roadside Maintenance

Three roadside crews were employed within the county to repair damaged sections of guardrail. Also, these crews, cut grass and weeds around guardrails and guideposts in each Zone.

Grass Cutting

Grass was cut on approximatly 2136 km of roads in the Central Region. Two private grass cutters maintained 309.30 kilometres of roadside grass. These contractor was contracted to cut grass from the middle of June until the end of September. In addition, 4 Department farm tractors were utilized for roadside grass cutting on the balance of approximately 1,826 kilometres throughout the Region.

Shoulder Material

During the season, shoulder material was used to upgrade and repair worn out sections of roadside shoulders.

Dust Control

One hundred and twenty-six bags (forty kilos) of flaked calcium chloride was used to control dust in specific locations.

A total of 220,000 litres of liquid calcium chloride was used for dust control and stabilization on 86.70 kilometres of gravel roads.

The accompanying tables give location and extent of work done in each Zone for the last fiscal year:

Zone 6 - *Central Region - Maintenance Activities*

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Trans Canada				.20				47.0
Shore Road								2.90
Point Prim Road								11.20
Gillis Road								3.00
County line Road					0.20			
Dundee Road			0.2		0.02			
Crown Point Road			0.50			1.60		
Vernon River Rd							0.90	
West Road								3.00
Monaghan Road				0.30				3.00
Kinross Road								2.00
Garfield Road			0.40					8.00
Oceanview Rd								3.00
Vernon River Rte 3					0.02			13.8
Millview Rte 3					0.20			
Storey Road								2.00
Beech Hill Road								2.00
Irving Road	0.60				0.80	0.60		
Newton Road				2.00				5.00
Alberry Plains Rte 3					0.20			
East Uigg Road					0.30			1.00
Seal River Road					0.30			
Murray Harbour Rd				0.50				13.00
Gay Road				0.40				
Avondale Road				0.20				
Cook Road				0.20				
Center Road					0.21			
Pownal Road					0.30			
Pinette Race Track		0.80			0.80			
Douses Road		0.20						
Settlement Road			0.10					
Murray's Road			0.20					

Alexandra Wharf Rd			0.10					
Pioneer Cemetery Rd			0.30					
Crawford Road			0.20					
Wood Islands Rd								8.00
Camp Road								4.00
Queens Road								3.00
Totals	**0.60**	**1.00**	**1.82**	**3.80**	**3.35**	**2.20**	**0.90**	**134.9**

Zone 7- Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Keppoch Road	0.20			0.05				0.20
Kinlock Road	0.30	0.10		0.20				0.10
Bunbury Road	0.30							0.10
Mason Road				0.30				0.20
Langley Road	0.40			0.60				
Battery Road	0.10						0.10	
Stratford Road	0.30			0.30	0.10			0.20
Duffy Road		0.20	0.10		0.30	0.50		0.50
Totals	**1.60**	**0.30**	**0.10**	**1.45**	**0.40**	**0.50**	**0.10**	**1.30**

Zone 8- Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Afton Road			0.20			3.00		1.00
Anderson Road						1.60		2.00
Avondale Road						1.30		2.00
Bedford Road				4.00	0.50			5.00
Bethel Road					0.30	1.80		2.00
Blooming Pt Rd								5.00
Buell Road							0.25	1.00
Cape Briton Road					0.70	1.80	0.25	
Donaldston Road								4.00
Donagh Road					0.50			6.00
Dromore Road			0.50	0.60		1.50		

East River Road			0.70			1.40		0.40
Feehan's Pt Rd								1.50
Fort Augustus Rd				1.50				10.00
Frenchfort Road			0.30		0.30	1.00		3.00
French Village Rd								3.00
Higgins Road						1.00		0.60
Jones Road						0.50		
MacKinnon Pt Rd								0.80
MacEachern Rd						0.40		0.50
Millcove Road						0.80		
Mini Farms S-D								2.80
Monaghan Road				1.00				5.00
Mooney Road								3.00
Mt. Herbert Road								1.50
Mt. Stewart							0.10	
Pisquid Road				1.00	0.60			5.00
Pt DesRoches Rd			0.60			3.00		2.00
Queens Point Rd						2.20		2.40
Red Point Road								1.00
Robinson Road						1.00		0.40
Savage Harbour								2.50
Simmons Lane Rd					0.60	1.30		
Tarantum Road								2.40
Tracadie Harbour				0.50				1.40
Watts Road			0.30			0.60		1.30
White Road		2.50	0.60		2.80			3.30
Portage Road	0.80				1.80	2.80	0.40	2.50
Old Cardigan Rd			0.80	1.00	1.00	1.60		1.50
Brazel Road						0.80		0.60
Station Road						0.60		0.60
Joey's Road				0.30				0.80
Fanning Brook Rd								1.30
Bylis Lane								1.20
Totals	**0.80**	**2.50**	**4.00**	**9.90**	**9.10**	**30.00**	**1.00**	**90.30**

Zone 9- Central Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Bayshore Road				0.25	0.15			1.50
Brackley Pt Road					0.30			4.00
Cass' Road					0.05			0.50
Covehead Road				0.60	0.10			2.00
East Suffolk					0.08			3.00
Eastern Road					0.05			
Friston Road						1.20		6.00
Gurney Road						0.80		
Hardy Mill Road				0.20	0.25			2.50
Jenkins Road					0.10			3.00
Lr Marshfield Rd					0.05			3.00
MacMillan Pt Rd					0.08			
MacLauchlan Rd	0.20					1.30		
Normandy Lane						0.60		1.00
Pleasant Grove Rd								6.00
St. Peters Road					0.10			
Stanhope Lane								0.80
Suffolk Road				0.28	0.35	0.30		4.00
Vickerson Road								0.80
York Road				0.65	0.10			4.00
Yorkdale Estates					0.05			
Totals	**0.20**	**0.00**	**0.00**	**1.98**	**1.81**	**4.20**	**0.00**	**42.10**

Zone 15 - Central Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Brackley Pt Road								4.00
Kilkenny Road						0.80		
MacKenzie Road								2.00
Union Road								8.00
Winsloe Road								5.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.80**	**0.00**	**19.00**

Zone 16 - Central Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Black Creek Road			0.05			1.25		
Blockhouse Road						0.90		1.50
Cornwall Road				0.40	0.13			1.00
Cumberland Line Rd	0.55		1.85			1.85		4.00
Ferry Road					0.05	0.58		2.50
Highland Park Rd			0.25			2.75		
Hyde Point Road	0.25					0.30		2.00
Kingston Road				0.50	0.08			4.50
Linwood Road						2.50		
Lowther Drive					0.05			
Loyalist Road				2.00	1.00			
Marianne Drive					0.05			
Mill Road						1.00		
Meadowbank Rd				0.70	0.25			3.50
Nine Mile Creek Rd								1.80
Oyster Shack Rd						0.50		
Rocky Pt Wharf						0.50		
Canoe Cove Rd					0.28			2.50
West River Road	0.25		0.25			0.25		1.00
Warren Grove Rd				0.30	0.13			
York Point Road				0.70	0.08			
Totals	**1.05**	**0.00**	**2.40**	**4.60**	**2.10**	**12.38**	**0.00**	**24.3**

Zone 17 - Eastern Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Malpeque Road				12.50				
Kinkora Road				3.40				
Kingston Road				2.90				
Rattenbury Road				0.30				
Nodd Road				0.10			0.10	0.50

Newtown Road								0.40
Darlington Road				0.30				
Grahams Road				0.10				
Johnston Road			0.20			0.20		
Smith Road				0.10				
Millvale Road				0.10				
Maplewood Road				1.50				
Holmes Street					2.30			
MacDonald Road			0.10		0.10	0.10		
Junction Rd (Emerald)								0.30
Dixon Road				0.20				
George Smith Rd								0.20
Warburton Road			0.30					
Hazelgrove Road				0.30				
Oldtown Rd (Crapaud)			0.10	0.10		0.10		
Clyde Road			0.20			0.20		
MacLeod Road								0.90
Junction Road			0.40	0.20	0.20	0.40		
Old Springton Rd			0.10			0.10		
Mill Road, Dixon			0.30			0.30		
Hilltop Road				0.20				
Peters Road			0.30					
Clarkin Road				0.10	0.20			3.90
Mill Rd (Wiltshire)			0.10			0.10		0.20
Callaghan Road								0.30
Ross Road			0.20		0.20	0.20		
Collette Road			0.50			0.30		
Monument Road					0.10			
Colville Road				0.10	0.10			5.30
Mill Rd (Springfield)			0.20	0.10		0.20		
Breadalbane Rd		0.20			0.10	0.20		
Alton MacLean Rd			0.30		0.30	0.10		
Colville Road				0.20	0.20			2.60

Kingston Road 235				0.30				
Argyle Shore Rd				1.80	0.30			11.60
Rice Point Road				0.20				2.00
Riverdale Road				0.30	0.40			7.24
Canoe Cove Rd				0.10				0.20
Bannockburn Rd				0.20	0.20			4.50
South Melville Rd				0.10	0.20			0.20
West River Road				0.10	0.10			0.20
Appin Road	0.10			0.10		0.10		0.30
Peters Road				0.20	0.30			7.40
Clyde River Rd			0.01	0.40	0.30	0.10		3.72
Lynwood Road			0.20			0.20		
Quinn Road				0.10				3.95
Sandy Point Rd		1.70	1.0	0.30		2.70		
Cameron Road								0.30
Victoria Village				0.30				
Wynn Road				0.20	0.20			2.60
Old Post Road				0.20				
St. Catherines Rd				0.20				5.70
New Argyle Road				0.30				7.10
Baltic Road				0.10				1.60
Cameron Road								0.30
Wharf Rd (Churchill)								0.80
Mill Hampton Rd				0.10	0.30			
Meyers Road				0.03				
MacQuarrie Road				0.03				
MacNevin Road				0.02				
Bayers Drive				0.03				
Bonshaw Road				0.10	0.06			3.35
MacEachern Rd								0.04
Shaw Wharf Rd					0.20	0.40		0.60
Park Rd (Canoe Cove)	0.20					0.20		0.20
Cottage Road			0.10		0.20	0.10		0.20

Line Rd (Canoe Cove)								1.20
Monument Road								0.20
Lamb Road								0.30
Green Bay Road								2.30
Currie Road			0.20			0.20		0.20
McKenna Road			0.20		0.10	0.20		
Farrar Road					0.30			0.90
Todd Road								0.30
Old Appin Road	0.12					0.12		
Old Tryon Road				0.50				0.04
Ferguson Road								0.30
Halls Road	0.10		0.04			0.14		
Perley Shaw Rd				0.10				1.20
County Line Road				2.70				
McCourt Road					0.10			0.20
Leard's Mill				0.20				
Balakalava Road			0.20	0.20	0.30	0.20		
Inkerman Road				0.40				
Bolger Park	0.30					0.30		1.20
Osborne Road		4.30				4.30		0.50
Mill Rd (Wiltshire)				0.30		0.30		0.40
Old Town Rd (Crapaud)			0.10	0.10		0.10		
Memory Road			0.60			0.60		0.10
Nelson Street				0.20				
Warburton Road			1.60		0.80	1.60		0.60
Old Princetown Rd					0.40			0.40
Mill Rd (Hazelgrove)								0.30
Dock Road				0.20				
Green Road			0.10			0.10		0.20
Shore Rd (Victoria)			0.10			0.10		
Fredericton Stn					0.40			
Apple Tree Lane								0.20
Trans Canada Hwy				5.80				
Totals	**0.82**	**6.20**	**7.75**	**39.31**	**8.96**	**14.76**	**0.10**	**89.74**

Zone 18 - Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Bagnall Road								1.20
Church Rd (Brookfield)								5.90
Church Rd (Buntain)					0.10			6.20
Church Road					0.20			4.80
Dave Smith Road								1.40
Douglas Road								1.40
Fountain Road								5.80
Kerrytown Road					0.20			2.60
Long River North								6.40
Long River East								5.40
MacInnis Road			0.10		0.10			
MacQuarrie Road					0.20			
New Glasgow Rte 13				0.50				14.30
New London Rd								10.20
Rattenbury Road								10.00
Stanley Br Rte 6								4.50
Route 20					0.10			14.50
Route 13				1.00				16.30
Snowie Road								1.20
Cousins Shore			0.20					
Pickering Road								1.20
Marks Road								1.40
Rustico Road				0.50				20.80
Portage Road								3.80
Brackley Pt Road								2.80
Winsloe Road								12.70
Crooked Creek Rd	1.30							4.50
Millboro Road			1.20		1.20	1.20		
Campbellton								4.20
Britton Shore Rd								1.10
Ling Road			1.20		1.20	1.20		1.60

Dump Road	0.10							
Woodside Rd			0.40		0.40	0.40		
Hardy Creek			0.30		0.30	0.30		
Pine Grove Road			0.40		0.40	0.40		
Buffalo Road					0.10			
Artford Road			0.20					
Parker Cross			0.10					
Grady Road			0.20			0.20		
Center Road			0.20		0.20	0.20		
Brander Pond			0.40		0.40	0.40		
MacGregor Road			0.20					
Houston Road			0.20		0.20	0.20		
Little Snowie			0.10					
Toronto Road			0.30					
Smith Road			0.30					
Adams Road			0.20					
Coulson Road			0.20		0.20	0.20		
Eddy Murphy			0.20					
Burlington Road					0.20			
Payter Road								3.50
Irishtown Road								4.10
Totals	**1.40**	**0.00**	**6.60**	**2.00**	**5.70**	**4.708**	**0.00**	**173.80**
Grand Totals	**6.47**	**10.00**	**22.67**	**63.04**	**31.42**	**69.54**	**2.10**	**575.44**

CENTRAL REGION: WINTER MAINTENANCE

Winter activities in the Central Region involved salting, sanding and snow removal. Temporary patching of paved roads, water drainage and washout repairs, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public were carried out

Ice Control

There were 17,195.45 tonnes of salt purchased for the Central region. The city of Charlottetown purchased 6,028.15 tonnes and other Government agencies purchased 498.15 tonnes.

The Region purchased 35,196.39 tonnes of blended salt and sand. This blended material consisted of a mixture of 6 percent salt, 30 percent imported, 1/4" minus stone and 70 percent sand. This material was stored at 12 sites throughout the county. The City of Charlottetown purchases 58.0 tonnes of the blended mixture.

Ice control on the main 185 kilometres of highway, with a two-lane equivalent of 249 kilometres, was maintained by the direct application of road salt. Ice control on the remaining 1,625 kilometres of road was maintained by sand/salt mix obtained from 12 sand stockpiles throughout the County. Twenty-two trucks, equipped with automatic spreaders, were hired to carry out this activity. In addition, department trucks were utilized to provide this service in the Charlottetown Perimeter Highway and the Town of Stratford.

Snow Control
Total snowfall recorded as recorded by Environment Canada recording station volunteers in the Central Region were:

	Recorded (cm)				
Month	**Charlottetown**	**Elmwood**	**Long River**	**New Glasgow**	**Victoria**
November '03	1	1.2	21.2	2	0.2
December '03	126.8	113.4	133	72	91.8
January '04	42.5	61.8	56	70	63.2
February '04	81.4	114.8	29	116	81.8
March '04	67.2	53.2	30	42.5	40.3
April '04	2.7	5.6	n/a	3	6

The heaviest snowfall for the snow removal season in the Central Region was recorded on February 19th at the Charlottetown recording station with a total of 74.4 cms of snow.

Snow Fence Report
The Department installed approximately 2871.08 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services
This year marked the renewal of the Department's Snow Removal Operations contract with private contractors. The renegotiated contract is in effect from 2003 to 2006.

The following is a breakdown of the contracted snow removal services for the first year of a 3-year contract with private contractors and a list of equipment used by each.

Contractor	Kms Plowed
AK Construction East	65.04
Birt & MacKay	78.57
Cecil Pauley Construction	62.22
Duffy Backhoeing & Trucking	27.04
Island Construction	127.6
Island Excavators	98.67
Maritime Construction	111.64
Matheson Construction	101.02
Matheson & MacMillan	95.87
North Shore Trucking	58.71

The Department was responsible for plowing 780.8 kilometres of highway. To this end, 22 plow routes and 6 blower routes were established. The Department also clears snow at a number of facilities in and around the city of Charlottetown. The following equipment was assigned and located as follows:

Central Region

Location	KMS	Graders	Blowers	Loaders	Trucks
TCH West	39.16				2
St. Peters Rd	39.48				1
TCH East Ch'town - Orwell	33.05				1
TCH East Orwell - Wood Islands	31.27				1
By-Pass Ch'town	15.72				1
Ch'town Rte.2 - Summerfield	36.25				2
Route 225 - Route 235	30.88				1
DeSable, South Melville	37.45				1
Rustico Rd., Mayfield	40.9				1
Rocky Pt., Meadowbank Rd. Cornwall Rd.	36.47				1
Vernon, Kinross, Newtown	44.43				1
Selkirk Rd., Iona Rd., Oceanview	43.59				1
Queens Rd., Murray Harbour Rd., Rte. 315	38.65		1		1
New London, Stanley Bridge, Cavendish	34.42	1	1		
Cornwall, North River	38.91	2		1	
Rice Pt & Rocky Pt.	16.08	1			
Stratford	79.67	1		1	4
Earnscliffe & Millview	25.63	1			
Pt. Prim, Pinette	35.42	1			
Rustico	21.11			1	
Ch'town Mains	29.66				2
Pownal, Crossroads	32.64				1
Garage Parking Lots				1	
Government Building Lots				2	

Meadowbank, Upton Rd., Off Ramps					1
By-Pass, Off Ramps, Hospital Entrance					1
Ch'town (used where needed)			2		
Spares		1	2	1	2
TOTALS	**780.84**	**8**	**6**	**7**	**26**

Sanding Services
Sanding operations were carried out by 22 sanding contractors using Department installed spreaders. In addition, 5 Department trucks were utilized to provide service in areas including route #225, North River to Hartsville, route #235 to Kingston and Stratford.

WESTERN REGION: SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the first week in June to the second week in November. Hand patching crews spread 3,977.77 tonnes. Two deep-patch crews repaired damaged sections with approximately 1322.39 tonnes. A total of 5,300.16 tonnes was used by the Department for repairing the Province's paved road network. The spreader crew resurfaced 32.45 kilometres of badly distressed pavement with 24,072 tonnes of asphalt. Also, two private contractors re-surfaced 14.678 kilometres with 10,915.31 tonnes of asphalt. A total of 34,986.92 tonnes was used by Department and Contractor spreaders and was financed from the capital projects budget.

The following is the tonnage of asphalt acquired from each firm:

SUPPLIERS	TONNES
HI Construction	18066.45
Curran & Briggs	22221.02
Total	**40287.47**

Resurfacing
The following roads were resurfaced with asphalt using a Department spreader:

Zone 19

Road Name	Kms
Schurman's Point Rd	1.5
Tryon Rd	1.1
Maple Plains Rd	1
Mt Tryon Rd	1.1
Dunk River Rd	0.02
Total Kms	4.72

Zone 20

Road Name	Kms
Gunning Shore Rd	0.7
Hamilton Rd	2.5
Spring Valley Rd	0.5
Total Kms	3.7

Zone 22

Road Name	Kms
Brooks Ave	0.164
Fairway	0.322
Golf Course Rd	0.3
Total Kms	0.786

Zone 23

Road Name	Kms
Allen Rd	2
Conway Rd	1
Kelly Rd	1
Total Kms	4

Zone 24

Road Name	Kms
MacIsaac Rd	0.734
Egmont Bay	1.8
St. Gilbert	1
St. Nicholas	1.3
Union Corner	1.016
Total Kms	5.85

Zone 25

Road Name	Kms
Beaton Rd	1
Dunblane	0.9
Haliburton	1
Glengarry	1
Total Kms	3.9

Zone 26

Road Name	Kms
Piusville Rd	0.8
Kildare Rd	1.998
Palmer Rd	1.4
Butcher Rd	0.9
Queen Street	0.2
Oliver Street	0.1
Cemetary Rd	0.5
Total Kms	5.898

Zone 27

Road Name	Kms
Palmer Rd	2.5
Delbois Rd	1.1
Total Kms	3.6

The following roads were resurfaced with asphalt using a contractor spreader:

Zone 19

Road Name	Contractor	Kms
Chelton Beach	Curran &Briggs	0.987
Lower Tryon	Curran &Briggs	1.206
Bells Point Rd.	Curran &Briggs	0.966
	Total Kms	**3.159**

Zone 20

Road Name	Contractor	Kms
Kensington	Curran &Briggs	0.1
Spring Valley	Curran &Briggs	Parking Lot
Penderosa	Curran &Briggs	0.753
Baltic	Curran &Briggs	1.718
	Total Kms	**2.571**

Zone 22

Road Name	Contractor	Kms
Linkletter Rd.	Curran &Briggs	0.408
	Total Kms	**0.408**

Zone 23

Road Name	Contractor	Kms
Arlington	Curran &Briggs	1.065
Sunnyside Rd.	Curran &Briggs	1.131
	Total Kms	**2.196**

Zone 24

Road Name	Contractor	Kms
MacIsaac Rd.	Curran &Briggs	0.287
	Total Kms	**0.287**

Zone 25

Road Name	Contractor	Kms
Brockton Rd.	H.I. Const.	0.39
	Total Kms	**0.39**

Zone 26

Road Name	Cont.	Kms
St. Louis	H.I. Const.	1.3
Roseville	H.I. Const.	0.486
Campbellton	H.I. Const.	0.429
	Total Kms	**2.215**

Zone 27

Road Name	Conractor	Kms
Palmer Rd.	H.I. Const.	0.087
Norway Rd.	H.I. Const.	0.3
Broderick	H.I. Const.	1.675
Ascension Rd.	H.I. Const.	1.39
	Total Kms	3.452

Total number of kilometres resurfaced in the Western Region: 47.128
***Note: Seaview (Central Region) 1440.82 tonnes - 2.13 paved by Western Region*

Bush Cutting
During the season, two Department mechanical bush cutters and one private contractor cut bushes along the highway. A total of approximately 371.06 kilometres was cut (this includes manual bush cutting). The Division also used two mechanical brush chippers to trim trees as required and to eliminate the need to haul away the brush.

Road Maintenance
During the year, graders were used to scrape and maintain the unpaved road network. In some cases, roads were also ditched and loaders and trucks were used to haul away unsuitable material.

Sandstone, gravel and/or rock used to carry out the tasks of surfacing, repairing washouts, shoreline erosion, shoulder repair and material for drainage pipes was as follows:

Sandstone (m3)	Gravel (t)	Rock (m3)
14247	14250	284

Sandstone and/or gravel was placed as a new surface material, and new culverts, driveway or cross pipes were installed as required. This work was financed through regular maintenance and capital budgets.

On the paved road network a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately-owned ditching machines and trucks. New culverts were installed as required.

The amount of culvert material installed was as follows:

Size	Length
300mm (12") steel	212ft
400mm (16") steel	286ft
450mm (18") steel	780ft
500mm (20") steel	4704ft
600mm (24") steel	5011ft
800 mm (32") steel	360ft
900 mm (36") steel	42ft
1200 mm (48") steel	52ft
300 mm (12) plastic	673ft
375 mm (15") plastic	1296ft
450 mm (18") plastic	2406ft
600 mm (24") plastic	738ft
750 mm (30") plastic	0
900 mm (36") plastic	0
750 mm (60") concrete	80ft

Guardrail and Roadside Maintenance
Three roadside crews were employed within the county to repair damaged sections of guardrail. Also, these crews cut grass and weeds around guardrails and guideposts in each Zone.

Grass Cutting
The Department hired 10 private grass cutters to maintain 782 kilometres of roadside grass. The contractors were contracted to cut grass from the middle of June until the end of September. In addition, three Department tractors were utilized for roadside grass cutting on arterial collectors and scenic drives of approximately 722 kilometres throughout the Region.

Shoulder Material
During the season, shoulder material was used to upgrade and repair low sections of shoulders.

Dust Control
Maintenance crews used 236 bags (40 kilos) of flaked calcium chloride to control dust in specific locations. Liquid calcium chloride was used for dust control and stabilization on gravel roads only. A total of 384,030 litres was used to treat 124.3 kilometres of road.

The accompanying tables give location and extent of work done in each Zone for the year, financed through regular maintenance budget and capital projects.

Zone 19 - Western Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Blue Shank				9.00				
Route 2				3.00				
Route 225				9.00				
Route 1A				6.00				
Trans Canada				4.00				
Route 10				15.00				
County Line				1.00				4.00
Bedeque Rink Rd			1.00		1.00	1.00		
Leard's Mill Rd			0.30			0.30		
Amherst Cove Rd			0.10			0.10		0.20
MacDonald Road			0.10			0.10		1.00
Mill Road					0.12			4.00
Kelvin Grove Rd					0.18			
North Bedeque					0.03			
Gerald Green Rd					0.22			
Kinkora Road					0.27			
Newton Road					0.63			3.00
Scales Pond Rd					0.34			6.50
Nodd Road					0.69			5.00
Blue Shank					0.12			
Cairns Road					0.15			
Freetown Road					0.50		0.10	9.00
Dunk River Road	0.01				0.08			6.00
Route 10					0.22			15.00
Wharf Rd (Cape Traverse)					0.10			
Route 225					0.14			
Wright Road	0.01							0.80
Woodside Road	0.01							
Dickie Road	0.01							
Murphy Road	0.03	1.20				1.20		
Greenan Road	0.02				0.15			0.15

Wall Bridge Road	0.02							
Duffy Road	0.01							
North Freetown Rd		1.00			0.26	1.00		0.20
Craig Road		2.00				2.00		
McCardle Road			0.25			0.25		
Campbell Road		0.60				0.60		
Muttart Shore Rd		0.70	0.70			0.70		
Branch Road								3.00
Drummond Road								3.50
MacCallum Pt.								6.00
Fernwood Road								6.00
Chelton Road								4.50
Mt. Tryon Road								4.00
Maple Plains								4.00
Searltown Road								11.00
River Road								2.00
Bradford Road								3.50
Totals	**0.12**	**5.50**	**2.45**	**47.0**	**5.20**	**7.25**	**0.10**	**102.35**

Zone 20- Western Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Old Station Rd						1.20		2.00
Cheese Factory Rd					0.70	0.70		
Rte 20 (Malpeque)				1.00	0.06		0.303	0.03
Rte 6 (Margate)				1.00				
Rte 101 (Irishtown)				1.00				6.60
Route 2					0.106			
Garden Drive					0.05			
Margate Road					0.155			
Clermont Road					0.05			
Old S'side Road					0.217			
Soloman Gallant Rd					0.274			
Woodleigh Drive					0.03			

Compton Road					0.939			
Read's Corner							0.2	
Spring Valley								5.8
Sunbury Cove Rd								0.8
Reeves Road								1.6
Legion Shore Rd		0.4			0.40	0.40		
County Line Rd	0.8		0.8		0.8	0.8		
Easter Road		1.30				1.30		
Base Line Road		0.15				0.15		
Steel Road	0.05					0.05		
Old School Road								1.00
Marsh Road								0.80
Bernard Road								0.80
Thompson Shore Rd								0.70
Totals	**0.85**	**1.85**	**0.80**	**3.00**	**3.78**	**4.60**	**0.50**	**20.13**

Zone 7- Central Region - Maintenance Activities

Road Name	Millings	Gravel	Shale	Shoulders	Ditching	Grading	Tap Drains	Bush Cutting
Belmont Road					0.223			
Northam Road					0.068		0.09	18.02
Canada Road					0.097			2.40
Barlow Road					0.992			
Conway Village					0.10			
Paugh Road		0.20			0.42	0.20		2.0
Lennox Island Rd					0.562			
Burleigh Road					0.209			
Praught Road					0.087			9.80
Lyle Road					0.186			2.00
Route 12 (Grand River)					0.622			8.00
Dystant Road					0.070			
Higgins Wharf Rd					0.094			
Ellerslie Road					0.263			0.04
Diversion Road					0.167			

Route 12 (Foxley River)					0.346			
Bakers Shore Rd	0.01				1.175			
Rte 2 West Devon					0.217			0.15
Nebraska Road		0.6			0.20	0.60	0.098	
Ashton Road		0.8			0.80	0.80		
Mickey Allan Shore	0.01							
Willie Birch Road	0.01							
Roxbury Road	0.01							
Gordon's Wharf Rd	0.072							
Enman Shore Rd	0.10							
Lady Slipper Rte 12								0.075
Richards Road								0.09
Conway Road								0.05
Rte 12 Birchill					0.622			
Squirrel Creek					0.208			
Grand River					0.90			
Mt. Pleasant					0.167			
Tyne Valley					1.138			
Bakers Shore					1.175			
Freeland					0.49			
MacIntosh Road				4.00				
MacInnis Road				0.80				
Roxbury Road				0.80				
Gillis Road				0.80				
Ferry Rd Lot 16		0.40		2.00		0.40		
Mill Road		0.60				0.60		
Bay Road				0.30				
MacArthur Shore Rd				3.20				
MacLennan Road								3.60
Cunningham Rd								4.00
Allan Road								26.6
Portage Road								4.40
Route 11 Enmore								13.0

Old Ferry Road								4.00
Southwest Road								6.00
Milligan's Wharf								4.00
Totals	**0.20**	**2.60**	**0.00**	**11.60**	**11.60**	**2.00**	**0.18**	**108.28**

Zone 24 - Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Camp Road			0.40			0.40		
Honores Gallant Rd		0.40				0.40		
Sugar Camp Rd								2.60
Taddy Road								6.00
Higgins Road								6.40
Strang Road								2.20
McGee Road								2.0
Rte 11 Abram Village				0.075	0.15		0.243	20.075
Mary's Lane					0.185			
St. Raphael Road					0.221			
Cajetan Arsenault Rd					0.050			
Rabbitown Road					0.322		0.094	0.05
Union Corner Rd					0.333			2.00
Muddy Creek Rd					0.20			
St. Gilbert Road					0.20			
MacIssac Road					0.242			
Goodwin Corner Rd					0.050			
Square Briggs Corner					0.050		0.245	0.075
Arsenault Road			0.45			0.45		0.60
Cannon Town Rd		0.5				0.50		3.50
Camp Road			0.40			0.40		
Honores Gallant Rd		0.40				0.40		
Haldimand River Rd		0.10				0.10		
Linkletter Road					0.152			
Fifteen Point Rd					0.626			
St. Nicholas					0.492			

Mr. Carmel					0.486			
St. John Road			0.450			0.450		3.10
Totals	**0.00**	**1.00**	**1.70**	**0.075**	**3.75**	**2.70**	**0.58**	**50.5**

Zone 25 - Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Buchanan Road				0.17	0.272			3.0
O'Holloran Road				0.4	0.198			2.6
Mr. Royal					0.244			
Glengarry Road				0.4	0.157			2.0
O'Leary Road				0.1	0.943		0.244	2.15
Forest View Road					0.031			
Unionvale Road				0.15	0.187		0.055	
Dock Road					0.358		0.4	1.5
Grand Dig Road					0.44			
Navoo Road					0.139			
Hamilton Road				0.1	0.255			0.5
WPT Rte 14				0.2	0.637			3.0
Glenwood Road					0.157			
Springfield					0.15			
Gaspe Road					0.33			0.14
MacAusland Lane					1.67			
WPT Park Rd					0.144		0.144	0.15
Coleman Road							0.243	
MacDonald Road		0.55			0.833	0.55		1.0
Ramsay Road		0.7			0.4	0.4		0.5
Hebron		1.0			0.877	1.0		1.0
Dunblane					0.664			
Duvar					0.162			
Boulter Road					0.689	0.7		
Thompson Road								1.0
Beaton Road								2.0
Marquis Road								1.0

Barkley Road								1.0
Smallman Road								1.0
Howlan Road								1.0
Kennedy Road								1.0
Bolger Road								0.5
Parish Road								1.5
Doyle Road								1.0
Piusville Road								1.0
Mill River East				0.3				
Campbellton Rte 14				0.2				
MacPhee								1.0
Cape Wolf Rte 14				0.35				
Brae Rte 14				0.17				1.0
Totals	**0.0**	**2.25**	**0.00**	**2.74**	**9.93**	**2.65**	**1.08**	**31.0**

Zone 26 - Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
St. Louis					0.651		0.16	
Center Line Road	0.015				0.276			
Butcher Road					0.958			
Dock Road					0.472			
Western Road					0.682			
Sow West Road					0.383		0.017	
O'Meara Road					0.229			
Gall Road					0.355			
Old Palmer Road		1.2			1.2	1.2		
Dunbar Road		1.1	1.1		1.1	1.1	0.138	
St. Edward's					1.0			
Miminegash					0.1			
Thompson Road					02			2.8
Cheese Factory Rd					1.088			
Piusville Road								2.9
Trainor Road								2.3

MacLellan Road								1.3
Kildare Road								8.0
Gard Road								2.4
Pridham Road								3.2
Marchbank's Rd								1.2
Hardy Road								3.1
Totals	**0.015**	**2.30**	**1.10**	**0.00**	**8.61**	**2.30**	**0.31**	**27.2**

Zone 27 - Central Region - Maintenance Activities

Road Name	**Millings**	**Gravel**	**Shale**	**Shoulders**	**Ditching**	**Grading**	**Tap Drains**	**Bush Cutting**
Haywood Road	0.01							
Deblois					0.186			
Dalton Avenue					0.042			
Christopher Cross	0.008							
Judes Point					0.146			
Anglo					0.101			
Old Western Rd					0.112			
Mill Road					0.105			
Pleasant View	0.006				0.503		0.23	
Ascension Road	0.01				0.397			
Chaisson Road	0.01							
Union Road	0.004							10.3
Gunion Road					0.067			2.3
Gaudet Road					0.66			
Waterford Road					0.27			
Arsenault Shore Rd					0.851			
Christopher Road		0.9			0.9	0.9		1.2
Leoville					0.152			
Tignish					0.452			
Norway Road					0.076			
St. Roch					0.139			
St. Felix					0.277			
Profit's Corner							0.084	

N. Cape Elephant Rock		0.2			0.2	0.2	0.121	
Donahue Shore Rd		0.4				0.4		1.3
Peter Road					1.1	1.1	0.1	3.4
Conroy Road								4.0
Fitzpatrick Road								5.2
Buote Road								0.9
Clark Road								3.0
Totals	**0.048**	**1.50**	**0.00**	**0.00**	**6.73**	**2.60**	**0.435**	**31.6**
Grant Totals	**1.233**	**17.0**	**6.05**	**64.415**	**49.60**	**24.10**	**3.185**	**371.06**

Bush cutting totals identify work carried out by brush cutting crews only.

WESTERN REGION: WINTER MAINTENANCE

Winter activities in the Western Region involved salting, sanding and snow removal, temporary patching of paved roads, water drainage and washout repairs, as well as any maintenance activities required to keep our highway system as safe as possible for the motoring public. To achieve this end, there were 6459.45 tonnes of salt and 32,200.41 tonnes of blended salt and sand purchased. This blended material consisted of a mixture of six percent salt, 40 percent imported, 1/4" minus stone and 60 percent sand. This material was stored at 11 sites throughout the county. An additional 4950.98 t of blended sand was required to re-charge the winter sand piles during the season.

Ice Control

Ice control on sections of Highway 1, 1A, 2East, 2West, 142, 150, 152, and 153, as well as Tignish, O'Leary and Alberton main streets, including 163.64 kilometres of road, were maintained by direct salt application.

Winter Plowing

Total snowfall recorded as recorded by Environment Canada recording station volunteers in the Western Region was

	Recorded (cm)				
Month	**Alberton**	**Long River**	**O'Leary**	**Tyne Valley**	**Victoria**
November '03	1	21.2	0	1	0.2
December '03	126.8	133	114.5	15.6	91.8
January '04	42.5	56	56	76	63.2
February '04	81.4	29	74	78	81.8
March '04	67.2	30	39	52	40.3
April '04	2.7	n/a	6.9	11	6

The heaviest snowfall for the season in the Western Region was recorded on December 7th at the O'Leary recording station with a total of 46.0 cms of snow.

Snow Fence Report

The Department installed approximately 5,942 metres of snow fence adjacent to Department plowed snow routes to control drifting in open areas.

Contracted Services

This year marked the renewal of the Department's snow removal operations contract with private contractors. The renegotiated contract is in effect from 2003 to 2006.

The following is a breakdown of the contracted snow removal services for the first year of a 3-year contract with private contractors and a list of equipment used by each.

Contractor	Kms Plowed
AK Construction West	150.55
Acadia Construction	109.08
AJL Ltd.	37.62
Clearview Construction	149.09
Curran & Briggs Ltd.	172.56
Duffy Construction	91.44
HI Construction	89.72
Harper's Construction	87.24
Matthew's Lime Spreading	94.52
Westisle Construction	107.63

The Department was responsible for plowing 466.16 kilometres of highway. To this end, 17 plow routes were established. The following equipment was assigned and located as follows:

Western Region

Location	Kms.	Graders	4 x 4	Blowers	Loaders	Trucks
Tignish	40.7					1
Harper Rd	27.3	1				
Cascumpeque	40.4		1			
Fortune Cove	24.9	1				
Bloomfield	32.85					1
Coleman	33.65	1				
Poplar Grove	31.3	1				
Springhill	30.7	1				
Alma				1		1
Albany	21.8					1

Kinkora	21.5		1			
Albany	27.57		1			
Summerside, Rte 1A	21.29					1
Slemon Park	12.3				1	
Schurman's Point	9.2	1				
Summerside West	32.15					1
Summerside, Rte 2 East	21.95					1
Searle town	36.6		1			
S'side				2		
Sside Spares		1				
Totals	466.16	7	4	3	1	7

Sanding Services
Sanding operations were carried out by 21 sanding contractors using Department installed spreaders. In addition, 3 Department trucks were utilized to provide service in areas including Linkletter & Traveller's Rest. One Department truck equipped with a sand spreader and plow gear sanded 22kms on Rte 225 from Rte 1A to Rte 13.

Confederation Trail Maintenance
Maintenance Crews performed work on the approximately 360 kilometres of the Confederation Trail.

Activity	Total
Vegetation Control	360 kms
Culvert Replacements	250 metres
Ditching	400 metres
Bush Cutting	33.5 kms
Surfacing (gravel)	15.1 kms
Shoreline Protection	600 metres

Storm Damage on March 31, 2003, contributed to an increased amount of culvert replacements.

MECHANICAL BRANCH

Expenditures
Operating budgets for the Mechanical Branch and Fleet Operations during the season totalled $11,449,000. The budget appropriation was distributed as follows:

Activity	**Total**
Charlottetown Garage Direct	$3,405,000
Charlottetown Garage Indirect	$941,700
Bridgetown Garage Direct & Indirect	$1,399,300
Summerside Garage Direct	$1,686,900
Summerside Garage Indirect	$214,500
Western Region Operators	$976,800
Central Region Operators	$2,086,800
Eastern Region Operators	$1,067,100
Total	**$11,778,100**

Note: The operating expenditures for the Mechanical Branch only in 2003-2004 totalled $12,242,044. This represents an over expenditure of $463,944. The increase in expenditures is explained in a section of the report under 'Financial Control'

Equipment

During the year, a total of $1,460,000 budgeted from capital and ordinary accounts was invested to upgrade the Department's Corporate Fleet (vehicles categorized as passenger cars, vans, and trucks of 1 ½ tons and less) and the Division's Heavy fleet.

Fleet Purchases

Quantity	**Equipment Purchased**
1	½ Ton Truck
3	½ Ton 4x4 Zone Supervisor Trucks
1	SUV (Highway Safety)
1	Cargo Van
1	1 ton Van (lab)
1	½ Ton Crew Cab Truck
1	1 ½ Ton Crew Cab Truck
4	1 Ton Truck
3	Tandem Trucks C/W Plow Gear
3	Single Axle Trucks

Surplus Sale

The Division had a heavy equipment surplus sale which eliminated the following equipment and generated $110,000 of revenue for Government.

Surplus Fleet Sold

Quantity	Equipment Purchased
3	Road Graders
7	Blowers
1	4x4 Truck Plow
1	Loader
1	Tractor
15	Sand Hoppers
	Misc Plow gear
	Misc Heavy equipment components

Note: All rolling equipment sold required significant repair or was unusable in its present condition.

Each year this report includes a table to show the average fleet ages as an indicator of the progress of the Fleet Replacement Program. The ideal number in the *"% Units Over Half Age"* column is 50%. At any given time, half of the vehicles in the fleet should be older than, and half younger than, 50% of the optimum replacement age. The table shows that the Mechanical Branch fleet still is over-aged and identifies the problem areas.

2003/04 Fleet Age Indicators

		In Years			
Unit	**Quantity**	**Optimum Life**	**Target Average Age**	**Actual Average Age**	**Units Over Half Age**
Corporate Fleet	151	6	3	4.26	53.1%
Single Axle	18	10	5	8.55	58.3%
Tandem	27	10	5	7.4	51.8%
4 x 4	20	20	10	16.6	83.2%
Grader	26	20	10	16.1	63.3%
Loader	16	20	10	16.6	82.1%
Blower	14	25	12.5	22.4	91.6%
Tractor	17	20	10	12.25	46.0%
Grade-all	2	20	10	16	100%
Spreader	2	20	10	11.5	50.0%

Roller	3	20	10	9.75	0%
Sand Hopper	60	20	10	9	47.0%
Trailer	26	20	10	9.4	18.5%

Replacement Program
Each year, Department staff continue to conduct a total review of the equipment to determine a replacement program. This program identifies the most immediate needs of the Department - namely operational requirements - and the replacement of existing equipment that has exceeded their useful life cycle. This program identifies the equipment requirement for years one through five and the annual costs necessary to accomplish it.

Systems
The Fleet Management System - purchased in 1999 and operational in 2000 - continues to be utilized to provide an account of the operating and maintenance costs associated with the Department's fleet of vehicles.

Key Result Areas
Achievements of key result areas were as follows:

Financial Control

The measure for financial control is budget achievement. The target is 100% achievement of budget. In 2003-2004, expenditures exceeded budget as a result of over expenditures on repairs to heavy fleet equipment contributed to by an aging fleet, increased costs of parts, and increased fuel costs..

Safety

The target in the area of safety is zero lost time incidents per year. In 2003-04 the total number of days lost due to work-related injuries was 8. A decrease of 6 days from last year's figure of 14 days lost.

- Western Region: 0
- Central Region: 7
- Eastern Region: 1

The Department continues to promote safety awareness, look at methods that will allow for safer work environments and educate the work force in areas of safety issues.

Training

The Mechanical Branch continues to consider training as a priority and therefore provides training in the following areas:

- First Aid
- Equipment Maintenance
- Forklift Training
- WHIMIS
- Computerized Salt Spreading Equipment
- Air Brake Maintenance
- Stress Management
- Apprenticeship Training
- Electronic Detroit Diesel Engine Training

The Department will continue to explore a variety of training options in the years to come.

Statement of Ordinary Expenditures						
Year Ending March 31, 2004						
DEPARTMENTAL MANAGEMENT						
EXECUTIVE OFFICE						
Salaries	251,005					
Administration	20,345					
Equipment	2,526					
Materials, Supplies & Services	4,147					
Travel & Training	18,892					
Total Executive Office		296,915				
FINANCE, HUMAN RESOURCES & OPERATIONS						
DIRECTOR'S OFFICE						
Salaries	424,832					
Administration	13,060					
Equipment	6,751					
Materials, Supplies & Services	398					
Professional & Contract Services	197,641					
Travel & Training	996					
Total Finance, Human Resources & Operations - Director's Office		643,678				
FINANCE SECTION						
Salaries	350,337					
Administration	14,998					
Equipment	4,513					
Materials, Supplies & Services	19,083					
Travel & Training	7,342					
Total Finance Section		396,273				
HUMAN RESOURCES SECTION						
Salaries	310,380					
Administration	4,413					
Equipment	331					
Materials, Supplies & Services	305					
Professional & Contract Services	448					

Travel & Training	2,529					
Total Human Resources Section		318,406				
TOTAL DEPARTMENTAL MANAGEMENT			1,655,272			
HIGHWAY SAFETY OPERATIONS						
HIGHWAY SAFETY - ADMINISTRATION						
Salaries	47,834					
Administration	48,107					
Equipment	8,321					
Materials, Supplies & Services	6,209					
Professional & Contract Services	236,015					
Travel & Training	8,687					
Total Highway Safety - Administration		355,173				
PROMOTION HIGHWAY SAFETY						
Salaries	433,188					
Administration	7,585					
Equipment	6,192					
Materials, Supplies & Services	96,243					
Professional & Contract Services	41,099					
Travel & Training	28,506					
Total Promotion Highway Safety		612,813				
REGISTRATION & LICENSING						
Salaries	135,650					
Administration	3,761					
Equipment	6,670					
Materials, Supplies & Services	119,396					
Travel & Training	2,789					
Total Registration & Licensing		268,266				
RECORDS						
Salaries	186,267					
Materials, Supplies & Services	69					

Total Records		186,336				
SUMMERSIDE - DEPUTY REGISTRAR'S OFFICE						
Salaries	91,123					
Total Summerside Deputy Registrar's Office		91,123				
HIGHWAY SCALES						
Salaries	593,978					
Administration	11,999					
Equipment	1,263					
Materials, Supplies & Services	27,489					
Professional & Contract Services	1,330					
Travel & Training	27,061					
Total Highway Scales		663,120				
TOTAL HIGHWAY SAFETY OPERATIONS			2,176,831			
HIGHWAY MAINTENANCE						
DIRECTOR'S OFFICE						
Salaries	233,113					
Administration	10,096					
Equipment	270,276					
Materials, Supplies & Services	26,236					
Professional & Contract Services	75,328					
Travel & Training	10,660					
Grants	75,162					
Total Director's Office		700,871				
HIGHWAY MAINTENANCE INVENTORY CONTROL						
Salaries	76,813					
Administration	2,807					
Materials, Supplies & Services	3,336					
Travel & Training	7,026					

Total Highway Maintenance Inventory Control		89,982				
HIGHWAY MAINTENANCE - WESTERN REGION						
MAINTENANCE ADMINISTRATION						
Salaries	424,389					
Administration	56,326					
Equipment	1,786					
Materials, Supplies & Services	6,659					
Travel & Training	8,501					
Total Maintenance Administration		497,661				
SUMMER MAINTENANCE						
Salaries	200,314					
Equipment	2,325					
Materials, Supplies & Services	1,532,095					
Professional & Contract Services	167,485					
Total Summer Maintenance		1,902,219				
WINTER MAINTENANCE						
Salaries	536,105					
Materials, Supplies & Services	1,066,044					
Professional & Contract Services	2,671,336					
Travel & Training	643					
Total Winter Maintenance		4,274,128				
HIGHWAY MAINTENANCE ZONE OPERATIONS						
Salaries	2,370,340					
Administration	418					
Materials, Supplies & Services	2,237					
Travel & Training	69,205					
Total Highway Maintenance Zone Operations		2,442,200				

TOTAL HIGHWAY MAINTENANCE - WESTERN REGION			9,116,208			
HIGHWAY MAINTENANCE - CENTRAL REGION						
MAINTENANCE ADMINISTRATION						
Salaries	637,764					
Administration	89,178					
Equipment	1,340					
Materials, Supplies & Services	1,604					
Travel & Training	41,067					
Total Maintenance Administration		770,953				
SUMMER MAINTENANCE						
Materials, Supplies & Services	2,093,375					
Professional & Contract Services	168,860					
Travel & Training	563					
Total Summer Maintenance		2,262,798				
WINTER MAINTENANCE						
Salaries	693,025					
Administration	285					
Materials, Supplies & Services	1,679,177					
Professional & Contract Services	2,271,807					
Travel & Training	51					
Total Winter Maintenance		4,644,345				
HIGHWAY MAINTENANCE ZONE OPERATIONS						
Salaries	3,453,701					
Materials, Supplies & Services	1,236					
Travel & Training	83,178					
Total Highway Maintenance Zone Operations		3,538,115				
TOTAL HIGHWAY MAINTENANCE - CENTRAL REGION			11,216,211			

HIGHWAY MAINTENANCE - EASTERN REGION						
MAINTENANCE ADMINISTRATION						
Salaries	513,193					
Administration	59,246					
Equipment	323					
Materials, Supplies & Services	23,350					
Travel & Training	102,238					
Total Maintenance Administration		698,350				
SUMMER MAINTENANCE						
Salaries	181,135					
Debt	3,976					
Materials, Supplies & Services	1,368,999					
Professional & Contract Services	89,041					
Travel & Training	74					
Total Summer Maintenance		1,643,225				
WINTER MAINTENANCE						
Salaries	442,511					
Materials, Supplies & Services	903,340					
Professional & Contract Services	1,276,623					
Travel & Training	6,109					
Total Winter Maintenance		2,628,583				
HIGHWAY MAINTENANCE ZONE OPERATIONS						
Salaries	2,435,228					
Materials, Supplies & Services	528					
Travel & Training	28,470					
Total Highway Maintenance Zone Operations		2,464,226				
TOTAL HIGHWAY MAINTENANCE - EASTERN REGION			0			

RAILS TO TRAILS						
Salaries	501,927					
Administration	16,156					
Equipment	527					
Materials, Supplies & Services	253,024					
Professional & Contract Services	29,097					
Travel & Training	37,888					
Total Rails to Trails		838,619				
MECHANICAL BRANCH						
Salaries	7,783,723					
Administration	183,720					
Equipment	31,376					
Materials, Supplies & Services	4,047,892					
Professional & Contract Services	61,418					
Travel & Training	133,915					
Total Mechanical Branch		12,242,044				
TOTAL HIGHWAY MAINTENANCE				41,638,319		
PLANNING, DEVELOPMENT & BUILDING CONSTRUCTION						
DIRECTOR'S OFFICE						
Salaries	216,280					
Administration	8,548					
Equipment	4,921					
Materials, Supplies & Services	2,995					
Professional & Contract Services	229,446					
Travel & Training	3,959					
Total Director's Office		466,149				
BUILDING CONSTRUCTION						
Salaries	246,320					
Administration	5,552					
Equipment	869					
Materials, Supplies & Services	16,671					

Travel & Training	23,436					
Total Building Construction		292,848				
PLANNING						
Salaries	177,289					
Administration	2,045					
Equipment	1,116					
Materials, Supplies & Services	2,063					
Travel & Training	8,869					
Total Planning		191,382				
BUILDING DESIGN						
Salaries	247,141					
Administration	4,454					
Equipment	2,148					
Materials, Supplies & Services	439					
Professional & Contract Services	6,392					
Travel & Training	15,014					
Total Building Design		275,588				
TOTAL PLANNING, DEVELOPMENT & BUILDING CONSTRUCTION			1,225,967			
PUBLIC WORKS OPERATIONS						
PUBLIC WORKS ADMINISTRATION						
Salaries	556,407					
Administration	31,773					
Equipment	477					
Materials, Supplies & Services	18,566					
Professional & Contract Services	3,978					
Travel & Training	35,479					
Total Public Works Administration		646,680				
DISTRICT HEATING						
Materials, Supplies & Services	231,897					
Professional & Contract Services	2,171,450					

Total District Heating		2,403,347				
TOTAL PUBLIC WORKS ADMINISTRATION			3,050,027			
DIRECT BUILDING MAINTENANCE						
Mona Wilson Building	35,937					
Shaw, Sullivan & Jones Building	2,751,033					
Province House	195,739					
Province House Annex	37,292					
Government House	478,893					
Customs House	96,759					
Portable Classrooms	2,839					
Coles Building	124,111					
Prince County Jail & Courthouse	121,094					
Summerside Youth Center	262,986					
Provincial Correctional Center	253,160					
Montague Office Complex	86,099					
Southern Kings/Queens RSC	77,505					
West Prince RSC	58,758					
Beach Grove Warehouse	1,328					
Kings County Courthouse	57,991					
Wood Islands VIC	19,774					
Sally Beach	6,819					
Scale House Wood Islands & Borden	58,131					
Mt. Albion Warehouse	263					
Environment Warehouse	1,857					
French Museum	11,348					
Forestry Depot - Queens	27,626					
Belmont St. Warehouse	15,321					
Kings By-Way VIC	73,756					
Cavendish VIC	41,678					
Vet Clinic O'Leary	30,082					
Highway Depot - Bridgetown	1,984					
Alberton Courthouse	21,166					
Forestry Depot - Prince	28,161					
Forestry Depot - Kings	26,261					
Lady Slipper VIC	47,763					
Brackley VIC	13,878					
Basin Head/Elmira	8,854					
Orwell Historic Village	3,308					
Portage VIC	13,340					
Tyne Valley Youth Center	35,640					

Georgetown Youth Center	39,822					
Green Park	21,793					
Potato Services Building	43,327					
Sign Shop - Tignish	28,283					
Alma Field Office	9,100					
Highways Material Testing Lab	71,225					
Brighton Road Office	52,135					
Royalty College	479,433					
North Cape Wind Site	116,586					
Total Direct Building Maintenance		5,990,239				
ACCOMMODATIONS						
Airport VIC	16,760					
Pickard Building	33,600					
O'Leary Dental Clinic	1,533					
Harbor Quay	23,930					
Upton Disinfection Station	24,000					
Cavendish Cottage	4,153					
Kensington Community Center	2,504					
Tignish Health Co-op	5,222					
Farm Center	36,844					
Fire Arms Office	23,281					
Potato Disinfection Center	40,000					
St. Peters VIC	33,244					
Kensington VIC	8,000					
Access PEI - Stratford	21,341					
Access PEI - Crapaud	4,324					
Bennett Carr Building	18,084					
Research Station Building #19	32,820					
Souris VIC	24,900					
Wood Islands VIC	30,936					
Access PEI - Tignish	12,270					
Evangeline RSC	63,990					
Johnny Ross Young RSC	193,054					
Research Station	267,852					
Queens Region Health Authority-Ellis Bros. Bldg.	432,685					
Health Agency Younker, Roche Bldg.	383,123					
Provincial Library Morell	179,648					
St. Paul's Rectory	34,295					
Albert Thomas Bldg.	84,638					
E. Blanchard (Gordon Drive)	143,205					
Concorde Bldg.	153,163					

Davies Law Courts	891,221					
Highway Safety Office	160,032					
Stonehouse VIC	80,368					
Fisheries Warehouse	54,924					
Georgetown Office	48,684					
Kelly Bldg - Courthouse	228,000					
Access PEI - Summerside	564,036					
Queen's County Sheriff's Office	58,503					
SRDC 109 Water Street	168,008					
Confederation Center & Libraries	127,287					
Gateway Village VIC	51,180					
Confederation Court Lease - EMO	56,168					
Breckan-Yates Bldg.	25,493					
Total Accommodations		4,847,303				
TOTAL PUBLIC WORKS OPERATIONS			13,887,569			
PROPERTIES						
Salaries	618,932					
Materials, Supplies & Services	10,371					
Property Taxes of Prov.-Owned Property	102,988					
Control Survey Network, Legal Fees & Contract Services	9,482					
Equipment	4,188					
Administration	16,979					
Crown Land	23,251					
Travel & Training	20,417					
Total Properties		806,608				
TOTAL PUBLIC WORKS & PLANNING					15,920,144	
CAPITAL PROJECTS						
CAPITAL PROJECTS ADMINISTRATION						
CHIEF ENGINEER'S OFFICE						
Salaries	246,838					
Administration	28,173					
Equipment	5,421					
Materials, Supplies & Services	44,058					

Professional & Contract Services	70,246					
Travel & Training	10,217					
Total Chief Engineer's Office		404,953				
WESTERN REGION						
Salaries	1,032,890					
Administration	34,776					
Equipment	25,574					
Materials, Supplies & Services	21,524					
Professional & Contract Services	50					
Travel & Training	66,190					
Total Western Region		1,181,004				
CENTRAL REGION						
Salaries	772,679					
Administration	16,334					
Equipment	9,519					
Materials, Supplies & Services	19,876					
Professional & Contract Services	3,901					
Travel & Training	26,542					
Total Central Region		848,851				
EASTERN REGION						
Salaries	803,864					
Administration	14,827					
Equipment	8,552					
Materials, Supplies & Services	7,308					
Professional & Contract Services	2,585					
Travel & Training	45,881					
Total Eastern Region		883,017				
SPECIAL PROJECTS						
Salaries	225,122					
Administration	1,011					
Materials, Supplies & Services	341					
Travel & Training	5,752					

Total Special Projects		232,226				
TOTAL CAPITAL PROJECTS ADMINISTRATION			3,550,051			
TRAFFIC OPERATIONS						
WESTERN REGION						
Salaries	318,961					
Administration	1,982					
Equipment	187					
Materials, Supplies & Services	250,521					
Professional & Contract Services	4,337					
Travel & Training	11,614					
Total Western Region		587,602				
CENTRAL REGION						
Salaries	480,656					
Administration	6,480					
Equipment	14,465					
Materials, Supplies & Services	422,244					
Professional & Contract Services	18,421					
Travel & Training	25,341					
Total Central Region		967,607				
EASTERN REGION						
Salaries	275,027					
Administration	5,233					
Equipment	2,018					
Materials, Supplies & Services	230,320					
Professional & Contract Services	7,433					
Travel & Training	12,183					
Total Eastern Region		532,214				
SIGN SHOP						
Salaries	125,342					
Administration	4,485					
Equipment	1,326					

Materials, Supplies & Services	282,045					
Professional & Contract Services	3,265					
Travel & Training	1,226					
Total Sign Shop		417,689				
TOTAL TRAFFIC OPERATIONS			2,505,112			
HIGHWAY DESIGN						
Salaries	249,269					
Administration	7,876					
Equipment	24,006					
Materials, Supplies & Services	34,904					
Professional & Contract Services	35,079					
Travel & Training	21,939					
Total Highway Design		373,073				
BRIDGE MAINTENANCE OPERATIONS						
Salaries	451,890					
Administration	6,791					
Materials, Supplies & Services	262,825					
Professional & Contract Services	68,676					
Travel & Training	26,019					
Total Bridge Maintenance Operations		816,201				
ENGINEERING SERVICES						
ENGINEERING SERVICES OPERATIONS						
Salaries	148,585					
Administration	4,749					
Equipment	12,184					
Materials, Supplies & Services	7,402					
Travel & Training	9,244					
Total Engineering Services Operations		182,164				
PAVEMENT MANAGEMENT						
Salaries	142,071					

Administration	4,642					
Equipment	3,106					
Materials, Supplies & Services	3,714					
Professional & Contract Services	1,688					
Travel & Training	14,892					
Total Pavement Management		170,113				
SURVEYS						
Salaries	368,900					
Administration	4,373					
Equipment	16,758					
Materials, Supplies & Services	3,705					
Professional & Contract Services	25,190					
Travel & Training	16,312					
Total Surveys		435,238				
TOTAL ENGINEERING SERVICES			787,515			
MATERIALS TESTING LAB						
Salaries	935,290					
Administration	23,081					
Equipment	22,343					
Materials, Supplies & Services	28,608					
Professional & Contract Services	34,698					
Travel & Training	41,410					
Total Materials Testing Lab		1,085,430				
TOTAL CAPITAL PROJECTS				9,117,382		
ENVIRONMENTAL MANAGEMENT						
Salaries	321,899					
Administration	12,643					
Equipment	3,297					
Materials, Supplies & Services	4,739					
Professional & Contract Services	20,514					
Travel & Training	43,252					
Total Environmental Management		406,344				

HIGHWAY ENHANCEMENT						
Salaries	403,457					
Administration	90					
Materials, Supplies & Services	16,627					
Travel & Training	1,082					
Total Highway Enhancement		421,256				
TOTAL ENVIRONMENTAL MANAGEMENT			827,600			
PROVINCIAL WASTE MANAGEMENT						
Salaries	47,546					
Materials, Supplies & Services	2,487					
Professional & Contract Services	703,599					
Travel & Training	1,328					
Total Provincial Waste Management		754,960				
TOTAL TRANSPORTATION & PUBLIC WORKS ORDINARY					72,090,508	
Capital Expenditures						
Year Ending March 31, 2004						
CULVERTS C/A						
Western Region	325,463					
Central Region	109,338					
Eastern Region	44,223					
Total Culverts		479,024				
BRIDGES C/A						
EASTERN REGION						
Sturgeon Bridge	219,438					
Midgell Bridge Design	9,797					
Total Eastern Region		229,235				

CENTRAL REGION						
Oak Dr. Overpass (Girder Repairs)	9,828					
Total Central Region		9,828				
BRIDGES MISCELLANEOUS						
Bridges Miscellaneous	1,523,298					
Storm Damage '03	2,554,443					
Total Bridges Miscellaneous		4,077,741				
TOTAL BRIDGES C/A			4,316,804			
PROVINCIAL PAVING						
WESTERN REGION						
Ditching & Surfacing Dist 19	195,825					
North Bedeque Asphalt Milling & Overlaying	51,871					
Ditching & Surfacing Dist 20 & 24	139,120					
Ditching & Surfacing Dist 23	86,438					
Ditching & Surfacing Dist 25	127,093					
Ditching & Surfacing Dist 26 & 27	273,588					
Palmers Lane Comm. Center Parking Lot	14,526					
Tignish Comm Center Upgrade	4,000					
Supply & Install Asphaltic Concrete-Curran & Briggs	447,622					
Supply Asphaltic Concrete-Curran & Briggs	376,207					
Supply & Place Asphaltic Concrete-HI Const.	262,987					
Supply Asphaltic Concrete-HI Const.	334,308					
Recap Prince County	559,410					
Total Western Region		2,872,995				
CENTRAL REGION						
Ditching & Surfacing Dist 6	83,037					
Ditching & Surfacing Dist 9, 15 & 16	73,332					
Ditching & Surfacing Dist 8	113,155					

Ditching & Surfacing Dist 16	146,908					
Ditching & Surfacing Dist 18	79,882					
Provincial Paving - Highway Marking	90,001					
Supply & Install Asphaltic Concrete-Island Const.	276,722					
Supply Asphaltic Concrete-Matheson & MacMillan	500,580					
Supply Asphaltic Concrete-Pauley's Construction	284,802					
Supply Asphaltic Concrete-Chapman Bros. Const.	243,625					
Recap Queens County	190,922					
Provincial Crackfilling Program	57,429					
Culvert Purchases	185,875					
Computer Spreader Control Systems	59,250					
DFAA-Disaster Relief (Hurricane Yuan)	643,918					
Arwis System Upgrades	16,541					
Supply & Placement Winter Sandpiles	5,450					
Total Central Region		3,051,429				
EASTERN REGION						
Ditching & Surfacing Dist 1	50,130					
Ditching & Surfacing Dist 2	96,347					
Ditching & Surfacing Dist 3	83,331					
Ditching & Surfacing Dist 4	51,046					
Ditching & Surfacing Dist 5	52,981					
Leeboy Kings County	31,005					
Supply & Install Asphaltic Concrete-Chapmans	428,712					
Supply Asphaltic Concrete-Chapmans	336,367					
Supply Asphaltic Concrete-Matheson & MacMillan	390,295					
Recap Kings County	90,052					
Total Eastern Region		1,610,266				
TOTAL PROVINCIAL PAVING			7,534,690			
HIGHWAY RECONSTRUCTION						
WESTERN REGION						
Green Rd Rte 10	660,897					

Train Station Rd	90,729					
Lord's Pond	22,335					
Slemon Park Rd Rte 2 Int.	27,537					
Rte 2 between Rte 106 & Kensington	1,869,482					
Dekker Rd & Rte 2	176,537					
Linkletter Rd Rte 11	201,812					
Replace Loops various Intersections Prince County	30,655					
Rte 2 - Northam	1,803,206					
Harmony Line Rd Rte 128 & Rte 11	258,199					
Lennox Island Parking Area	10,441					
Enmore Rd Rte 11	242,594					
Cascumpec Rd - Pipe Bore	30,341					
Reeves Rd	50,031					
Wellington Storm Sewer	189,519					
Mill River Golf Course Parking Area	27,558					
O'Leary Corner - House Demolish	6,188					
Springfield West Rte 142	368,946					
West Point Wharf Rd - Granular	56,717					
West Point Wharf Rd - Asphalt	69,544					
Doyle Rd-Place Rap & Seal	44,939					
Alberton-Lyle Gavin's Property	14,387					
Bloomfield Industrial Park Rd	57,700					
Jacques Cartier Park	36,400					
Rosebank Rte 2	256,605					
Brockton Rte 2	290,515					
North Cape Parking Lot	451,903					
Rte 2 Tignish to Christopher Rd	1,282,604					
Judes Point Rd-Mill & Repave	19,002					
Tignish Intersection	14,400					
Total Western Region		8,661,723				
CENTRAL REGION						
Queens Rd	50,557					
MacPhail Park Rd-Orwell Property	17,000					
MacPhail Park Rd-Orwell Park Rd-Access Rd	70,872					
Vernon River Co-op	9,600					
Keppoch Rd - Stratford	198,873					
Inlet Control Structure TCH in Stratford	8,829					
TCH & Stratford Rd (advance signal warning signs)	1,388					
Mason Rd - Stratford	174,605					
Simpson Lane Rte 255 - Tarantum	165,140					

Rte 2 - Intersection Rte 217	25,734					
White Rd - Watervale	116,624					
St. Peters Rd - Charlottetown	709,534					
Cornwall Drainage Problems	31,879					
Rte 2 - Milton Station	1,612,412					
North River Signals Upgrade	3,099					
Heatherway Dr Extension	13,900					
MacKinley Dr. Drainage Problems	11,803					
Rice Point (PID# 491936)	6,000					
Cornwall By-Pass (MacPhail Prop. purchase)	138,267					
TCH - Bonshaw	677,052					
Purchase Bldg. Fredericton	33,594					
New Glasgow Bridge Supplies	2,027					
Cavendish Rd - Rte 6	95,284					
Total Central Region		4,174,073				
EASTERN REGION						
Rte 2 - Village St. Peters Storm Sewer	2,614,635					
Rte 16 Naufrage Bridge to St. Margaret's	267,891					
Greenwich Rd Rte 313 & Rte 16	56,259					
Whim Inn - Replace Sod	2,199					
Town of Georgetown Grant	15,000					
New Perth Trailer Park - R.O.W. Land	5,500					
Belle's Hill	8,290					
Town of Montague Grant	65,690					
Rte 2 - Commercial Cross	231,403					
Downeast Mall/Superstore Intersection	40,058					
Murray River Property Purchase	9,000					
Total Eastern Region		3,315,925				
OTHER						
Liquid Asphalt	199,766					
TOTAL OTHER		199,766				
TOTAL HIGHWAY RECONSTRUCTION			16,351,487			
STRATEGIC HIGHWAY IMPROVEMENT PROGRAM						

Riverside Drive - Park Street	30,722					
TCH - Cornwall	93,081					
Pinette Sluiceway	1,805,366					
TCH Pinette	729,866					
TOTAL STRATEGIC HIGHWAY IMPROVEMENT PROGRAM			2,659,035			
PARKING LOT ASSISTANCE	5,636					
HIGHWAY EQUIPMENT	1,046,105					
TOTAL HIGHWAYS CAPITAL				32,392,781		
BUILDINGS CAPITAL						
FAE - Equipment (Small Vessels)	46,204					
Montague Access Center	93,016					
O'Leary Community Hospital	159,103					
Land Purchases	252,860					
Health Care Buildings	983,998					
Prov. Parks Sewage Treatment Facilities	862,410					
Prov. Parks Services Site Program	503,607					
Veterans Monuments	39,086					
Mill River Treatment Plant	63,009					
Sherwood Admin. Bldg.	4,797					
TOTAL BUILDINGS CAPITAL				3,008,090		
TOTAL TRANSPORTATION & PUBLIC WORKS CAPITAL					35,400,871	
TOTAL TRANSPORTATION & PUBLIC WORKS						**107,491,379**